

Measuring the Social Value of Public Policies: An SROI Perspective from China's Context

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Abstract

Measuring the social value of public policies is essential for policymakers to effectively assess the impact of their initiatives on community-level outcomes. Particularly, this study adopts a Social Return on Investment (SROI) perspective, which focuses on quantifying the relationship between costs and social benefits, allowing for a comprehensive evaluation of the impacts generated by public policies. Using the SROI framework empowers the stakeholders to not only identify the proposed financial costs of interventions and the resulting impact but also the social return on investment, which can be understood as the costs of these stakeholders to society. This research analyzes various case studies related to different public policies, demonstrating the methodology that can be employed to measure social value effectively. The findings present significant contributions to promoting approaches that yield positive societal outcomes and support the development of sustainable policies in the future.

Analysing the social effectiveness of public policies is one of the key activities that make it possible to assess the compliance of these policies with the requirements of society mainly in the context of a state that is rapidly developing, like China. This research employs the method of Social Return on Investment Analysis to examine the correlation of policy expenditure and the resulting social impact. These are some of the reasons why the SROI methodological framework has an input and output perspective of

financial value and is an essential tool for resource distribution and planning and policymaking. In line with the use of secondary data, the research explores core policy fields in the domains of health care, education, and environmental protection to illustrate how metrics of SROI can measure the material and non-material values of such investments.

Thus, as large-scale public interventions are critical for providing the necessary stimuli to achieve the developmental objectives of China and the targets outlined in the Sustainable Development Agenda, SROI helps govern in the realm of policy by presenting a clear method of policy assessment. In this study, best practices and lessons learnt in relation to the adoption of SROI within the Chinese context are explored and the findings provide guidance for policy makers and practitioners. The paper illustrates how SROI can encourage fact-based decision making, improve accountability for investments, and foster the creation of more innovative welfare mechanisms contributing to effective solutions for today's and future society's needs.

Keywords Social Return on Investment; Public Policy; Social Value; Impact Assessment; Social Investment

Introduction

In the last few decades, China has been through an impressive economic development due to a sequence of strategic public policies, which changed the profile of a traditionally agricultural country into one of the leading world economies (Akmal et al., 2024). This shift is informed by a sequence of Five-Year plans that outlines the developmental path of the nation. The government has adopted and continues to emanate different and diversified policies with the attempt of developing infrastructure, health, education and the environment. These policies are aimed at increasing economic growth and development but also at redressing social injustice, poverty and inequitable utilization of development resources.

Chinese leadership's political discourse has centred on the process of 'socialism with Chinese characteristics', particularly achieving 'socialist modernization' which would entail a development model would therefore ideally be a simultaneous drive towards both economic and social progress as well as the humane and sustainable use of natural resources. As the nation progresses to a new vision of development, the priorities of its policies have started to lie in refining the human quality of life of its people, in developing economically but at the same time ensuring environmental sustainability, and in eradicating social injustice even as the nation booms.

The primary problem encountered by the policymakers in China is the evaluation of the performance of public policies (Anam et al., 2022). Consequently, policy evaluation in China has traditionally been mostly based on the principles of neo-classical economics focusing on rate of economic growth, rates of investments and employment. Nonetheless, the handling of strategic criteria in a limited way has its

drawbacks and ignores important factors of the social and environment which are vital in the context of inclusion and sustainability.

Due to these challenges, China has slowly over time begun to adopt some more comprehensive approaches in the assessment of the social impacts of public policies. A much more promising approach is provided by the Social Return on Investment (SROI) that takes into account, not only the financial costs of the policies in question, but also, social, evangelical, and cultural gains to be expected from them. This prompts the analysis, which engages more systemic study of the public policies, and recognition of the significance of non-material values such as social equity, environmental protection, and public health, recognised increasingly by the government (Ariza-Montes et al., 2021).

In this way, China brings SROI into the policymaking process, which should increase the role of public policies in long-term sustainable development and improve the welfare of its population while simultaneously pursuing the policy goals of social harmony and sustainable development.

Importance of Measuring Social Value in Public Policies

China insists on invoking public policies as a major mechanism that could reach a solution for socio-economic problems like poverty, healthcare, environment, and education. The country, having experienced fast economic development in recent decades, has realized that the GDP growth and financial profitability cannot alone represent the outcome of policy actions in the social and environmental arena (Atsalikorn et al., 2023). As China moves towards a more sustainable, inclusive, and equitable development model, there is an increasing need for a comprehensive approach to policy evaluation—one that accounts for both economic and non-economic outcomes.

Estimating social value in successful policies also helps the policymakers to reflect on effects of their actions to the greater societal structures apart from financial gain. This is particularly applicable in China, where all policies are implemented with an aim of handling a variety of social concerns including income difference, health disparities, and pollution. Frameworks for instance SROI can be used to measure the gains from policies in terms of real social value added, health, reduced poverty, education, and better environment (Basset, 2023). It allows the policymaker to assess the inherent worth of policymakers' intervention on boosting the multiplier effect on societal welfare, which is very vital in avoiding wastage of scarce public resources.

Further, social value measurement helps in increasing the accountability and transparency in the decisions to be made by the government. Due to attention to sustainable development, citizens and other stakeholders require more proof of the social impact of public funding. Through such SROI calculation, Chinese policymakers can prove the actual influence of the policies to the recipients and through such means, all policies developed in the country can be oriented to meet the long-term goals of the society.

Moreover, SROI provides a robust framework for prioritizing resource allocation, helping to ensure that public funds are directed towards interventions that create the most significant positive social impact.

Research Objectives

The primary aim is to assess the applicability of the SROI framework within the context of China's public policy. This includes exploring how effectively the SROI framework can be applied to evaluate the social impacts of key public policies in China. Additionally, the social impact of these policies using the SROI methodology, providing a comprehensive understanding of their broader societal effects. Another key objective of this research is to identify the perspectives of various stakeholders on the value and utility of SROI for policy evaluation in China, contributing to a deeper understanding of its relevance and potential for improving policy assessment practices in the country.

Scope of the Research

In this study, the authors' attention is on how the SROI framework can be used to assess the social value of public policies in China. It mainly focuses on investigating the use of SROI to evaluate the book's quantitative social value and the returns of major public policies in the Chinese environment (Basset & Giarè, 2021). The study covers three critical policy sectors: the major areas of focus are health care, education and environment which play strategic roles in the development of China's socio-economy. They range from a study of the national healthcare reforms which have been undertaken in the last one decade, a study of poverty reduction strategies and policies, a study of the government's environmental conservation and green development policies.

This work is based on secondary materials that are secondary publications, such as government documents, policies, and SROI from the existing case studies that have assessed similar policies. Since it is hard to assign values to social value for policy evaluation, all forms of data such as SROI ratios, cost-benefit, and perceived benefits and costs by stakeholders will be used in this study.

Even though the research will largely be based on national policies it will also include regional policy effects on social returns. The scope does not include source data as a result of survey or interview with policymakers or citizens but rather at material previously published evaluations and data obtainable by the public (Boyce & McDonald-Kerr, 2020). In addition, the research will examine some practical issues of using the SROI framework in China, including data availability, local socio-economic conditions, and methodological issues of measuring non-monetary social impact may affect the utility and relevance of the framework for China's policies.

Structure of the Article

This study is organized to allow the reader to get an overall perspective of the paper and aims at presenting the SROI framework as a means to assess public policies within the setting of China's scenario. Thus, the rationale for measuring social value as part of a public policy programme and the increasing importance of SROI are introduced here. Subsequent to this, through the literature review, the author provides a detailed analysis of global SROI trends and its application in China, selecting for the analysis sectors including health, education and the environment (Busemeyer et al., 2022). This paper also aims at discussing the prospect and problems of SROI in the Chinese context.

The specific area of this section of the article describes the general research method, the system and criteria employed in selecting cases from the policy areas, the main methods of data collection employing secondary data and the specific analytic procedure for determining the SROI ratios. This is then followed by the discussions of results including the SROI metrics and an analysis of results from the case studies in healthcare, education and environmental policies (Cheng et al., 2022).

The final section of the paper discusses the identified findings to explain the SROI method in relation to the alternative methods such as cost advantage analysis, as well as demonstrate policy development in China. Finally, the article outlines the study's main conclusions, addressed policy recommendations to the Chinese government and directions for the future research on enhancing SROI utilization in Chinese public policies.

Materials and Methods

Understanding SROI: A Global Perspective

The application of SROI frameworks is relevant, pragmatic, auditable, and flexible and has been designed to provide quantifiable measures of social, environmental and economic value. This concept has been developed to account for the total value created over the resources employed to create it. Originally developed in the early part of this decade by the Roberts Enterprise Development Fund (REDF), SROI serves as an important tool for converting social outcomes into dollars and thus facilitate decision making for health care organizations, educational institutions, and other social, beneficial entities (Cleland et al., 2022). In particular, SROI expands the conventional financial framework by taking into account other non-pecuniary values that people often experience in connection with a specific project, for example, enhancement of the quality of life, environmental responsibility, social relationships.

In many countries, SROI has been adopted as the tool for evaluation of the social effects of public policies and social initiatives (Corvo et al., 2022). It provides a comprehensive way to link the inputs of resources—such as funds, time, and human capital—to the outcomes achieved in the form of social value. This broader perspective has played a tremendous role for the organizations and governments to

show the accountability and transparency in the utilization of the public money particularly the development aid, social enterprises and the public-private partnership.

SROI has been successfully implemented in countries such as the United Kingdom, Australia and Canada, for evaluating the effectiveness of social programmes ranging from youth employment programmes to environmental programmes (Courtney & Powell, 2020). Decision makers –ranging from policymakers to funders- can make better decisions regarding future investment since SROI provides a social balance sheet of a particular intervention. For instance, the UK government has used SROI to evaluate its programs that sought to address unemployment and where the social things such as better mental health and increased social inclusion were valued in terms of money of the services they replaced.

Furthermore, the fact that SROI has been used across the globe shows how elastic it is. In essence, what is being done, how it is being done and the reasons for doing it as well as the formats used to report the outcomes also differ due to cultural, economic and institutional differences (de Leon, 2021). The fact that shows high flexibility enables the use of SROI to evaluate expressions of social value both in developed and developing countries, and as it becomes evident, the tool acquires a heightened importance in global discourses concerning sustainable development, such as the United Nations' Sustainable Development Goals (SDGs).

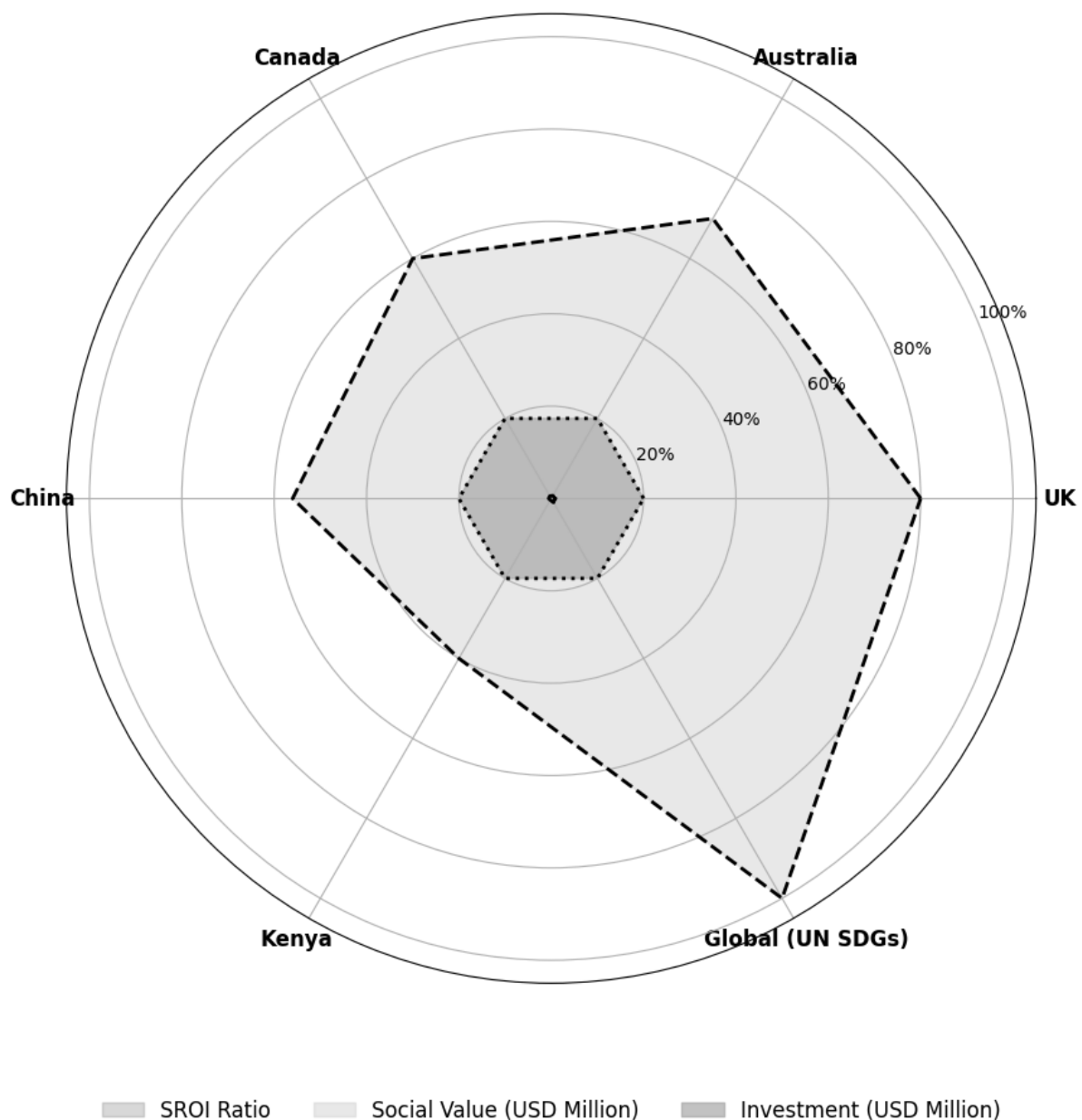


Figure 1. SROI Analysis: Social Value vs Investment

Source: Self-generated

Figure 1 illustrates the SROI ratio, value and investment for countries and UN SDGs. It shows the relative impact and cost-effectiveness of different initiatives in generating social value. For example, the SROI ratio of the UK is higher than that of China, this suggests the former earns a better rate of social value per capital investment.

Evolution of Public Policy Evaluation in China

The development of public policy evaluation in China has been shaped by China's political, economic and social environment at large. Previously, China's instruments of public policy assessment were

based on the principles of centralization of decision-making and assessment of policies mainly based on the subject of economic efficiency (de Marchi & Alford, 2022). During the initial years of the Chinese reform process that started in the late 1970s under Deng Xiaoping, reforms were initially limited to ILO statistical tools: indicators and databases knowledge base, and the approaches were given little importance until the late 1980s and early 1990s when the social development indicators including education health and social security emerged as important indicators of economic development (de Rus Mendoza, 2023). Although this approach was highly successful in and relevant to China's industrialization and post-Mao market reforms, it was deficient in aspects of the 'social and environmental turn' that came to pervade public policy evaluation.

During the 90s to the very beginning years of the new century, with a relatively more diversified structure and China's integration into the world economy improving continuously, it also became clear that a much more comprehensive and subtle measuring system was required. This change was informed by the understanding that existing measures of economic performance were inadequate in gauging the totality of policy effects to human welfare and ecological health. Therefore, the Chinese push for adoption of more policies that could enable management of social welfare, poverty, access to health, educational facilities as well as the environment (Denburg et al., 2022). This can be said to have shifted the country from a purely economic model to some sort of development-policy model.

In the 2000s, new policy evaluation methods appeared, for example, a "Results-Based Management" (RBM), the task of which was to assess not only the volume of funding, supply of equipment, or training and educational support but also outcomes produced by policies. There were still important issues that needed to be addressed though, even after achieving these steps. Another weakness was the failure to provide wider qualitative measures suggesting social and environmental impacts of policy effectiveness.

As China's political leaders attach more importance to sustainable development in recent years, especially after Xi Jinping taking power, the idea of "ecological civilization" has deepened the idea of measuring policies in terms of their social cost and benefit and ecological or environmental cost and benefit. This new approach necessitates such approaches as SROI, which encompass more complex assessment of public policies and their impacts on society based not only on economic returns but on social value which these interventions create as well (Denburg et al., 2021). Therefore, as SROI increases its popularity across the globe it provides the framework for China's future policy evaluations that address social and environmental effects.

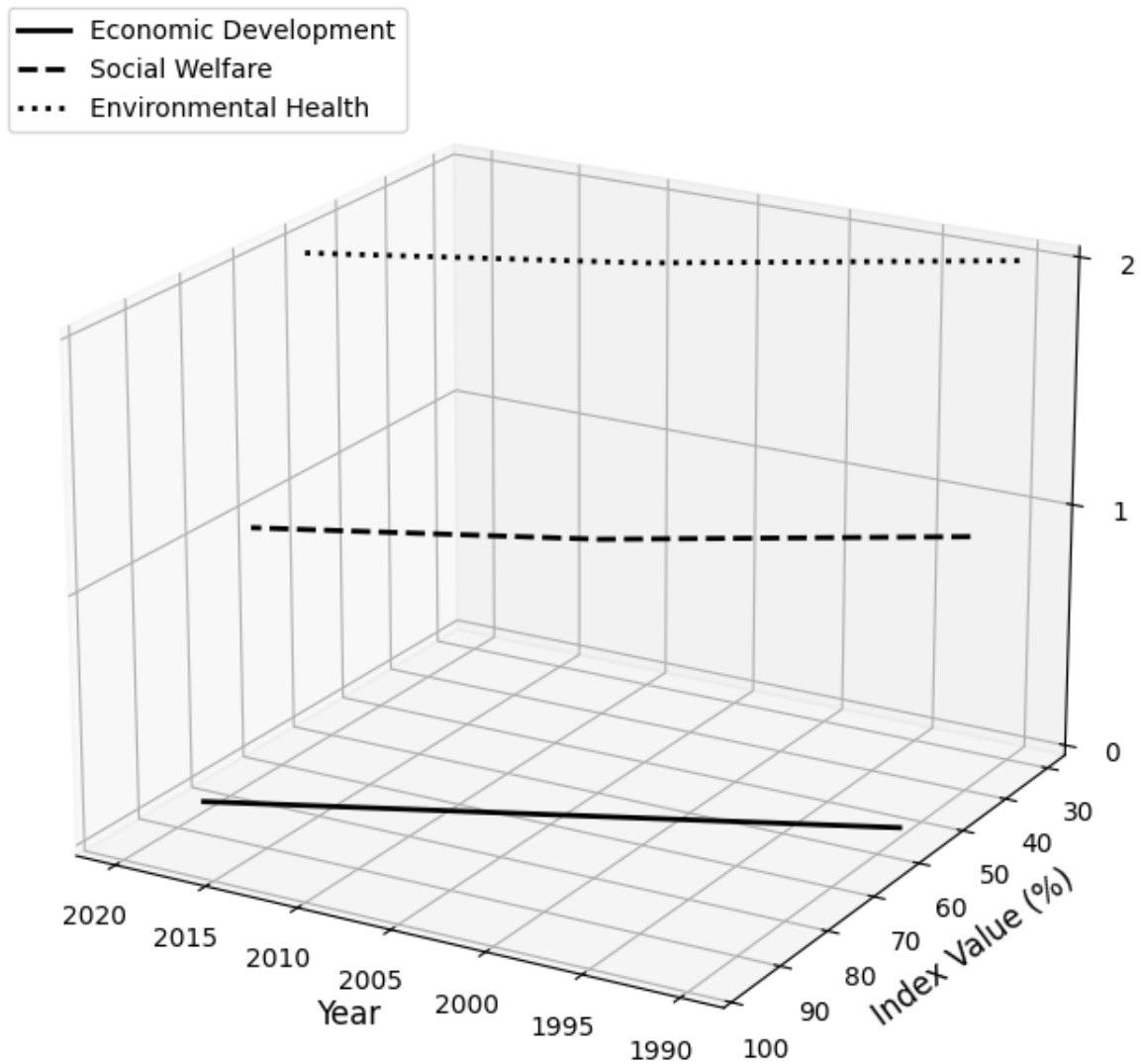


Figure 2. Trends in Public Policy Evaluation Indicators in China

Source: Self-generated

Figure 2 shows the three indicators of the evaluation of China’s public policy that are shown in the image depicting an upward tendency from 1990 to 2020. It shows significant progress in economic growth, social well-being, and environmental conservation. This implies that China has a good record in implementing its public policies as catalysts of the growth of the economy, a better living standard, and environmental issues.

Applications of SROI in Healthcare Policies

In China, the reform of the healthcare system has become one of important fields of public policy, especially concerning the goal of implementing universal health coverage and developing the rural healthcare system. Interpreting “The use of SROI in healthcare Policies”, SROI is a reasoned method

of analysing the worth of an organisation in a way that overcomes the strictures of concerning itself solely with tangible value”. By doing so, it gives policymakers an idea on the societal impact of policies in future through factors like health and nutrition, longevity and status difference.

In the current decade, there have been great investments made in the healthcare sector in China mainly in the enhancement of the basic medical insurance system, building new hospitals especially in rural and remote areas, as well as deployment of telemedicine services in the healthcare delivery system. Some of these changes are intended to provide affordable access to everyone liable to pay for health services and enhance the quality of essential care throughout remote communities (Denny-Smith et al., 2023). However, it does not only mean that the policies are just evaluated based on the money put into them, but also for the extended social and economic returns that accrue from increased health care accessibility, and better health care delivery.

Applying SROI for outcomes of these healthcare policies helps us to monetise non-standard elements like increase in productivity from healthier population, savings on the part of families not having to spend out of pocket on healthcare and overall quality of life metrics. For instance, the enrollment of health insurance in the rural areas has helped decrease the hoops through which low-income earners go through to obtain necessary medical treatments without overwhelming debts. Further, the provision of a telemedicine service has significantly improved health care, especially with the diagnosis and treatment of persons in remote areas since the service is delivered earlier.

Among the disparities identified by analysing the impacts of the S R I model in the context of healthcare policies in China one must acknowledge the high social added value achieved by investing in preventive measures such as vaccinations and health promotion. Many of these initiatives do help in cutting down on healthcare expenses that one might incur due to chronic diseases that might be a result of unhealthy lifestyle while on the other hand supports a healthier population which is every nation’s requirement for enhanced economic growth (Edmonds & Roberts, 2021). The SROI ratio for rural healthcare infrastructure investments, for example, has shown returns as high as 1:5, indicating that for every unit of investment, five units of social value are generated in terms of improved health outcomes and economic productivity.

Overall, the approach of exploring the framework of SROI has been helpful in evaluating the outcome of healthcare systems in China and enhanced the understanding of the society in terms of the functions of other aspects apart from the healthcare sector. This approach is in consonance with China's development targets on social welfare of citizens and poverty reduction in under-privileged and rural areas.

SROI in Poverty Alleviation Efforts

Poverty alleviation has been a central focus of China's development strategy for decades, especially with the goal of eradicating extreme poverty by 2020. Thus, the Chinese government has set a number of targeted poverty relief projects, programs of rural development and micro financial services with the intermittent purpose of bridging the division of urban and rural areas (Elsayed et al., 2023). The prominence that has been given to the SROI framework makes it quite useful towards estimating the social value of such policies wherein, in addition to the economic benefits, the social as well as the environmental benefits also form part of the estimate, yet these impacts are significant since they are informative of the sustainable development.

In China, poverty check has led to increased spending in areas of public facilities, schools, hospitals and social security. The SROI framework can be proven effective especially in defining and measuring the social returns resulting from such investments including health, education and social inclusion. For instance, in rural areas, poverty relief policies under the state supported the Australia poverty alleviation plans to subsidize and improve education and healthcare and revive housing and micro and small businesses. Using SROI, such programs can be valued in a manner different from solely the monetary costs for their implementation, but rather for the benefits which are likely to accrue to a society, for example, increased quality of life, empowered communities.

Other Chinese poverty alleviation SROI studies have shown recent positive indications (Gong et al., 2022). A study evaluating a microfinance program in rural China, for instance, calculated an SROI ratio of 1:4, indicating that for every yuan invested, the program generated four yuan's worth of social benefits. Combined with these three-factor frames, these benefits consisted of the enhancement of income generation, education, and women's empowerment as an essential key to the elimination of poverty. Similarly, the government's efforts to improve infrastructure and access to healthcare in remote regions have shown SROI ratios ranging from 1:3 to 1:5 with the proposal that benefits of such investments should not be confined to economic profit alone.

However, there are lessons that have been learnt on the implementation of the SROI framework in poverty reduction. These problems include limitations of enumerating some of the social goods like mental health status, social inclusion, and eventual effectiveness of interventions. However, it is understood that the methods of attributing money-related value to social achievements are still not sufficiently uniform, primarily in rural areas where the quality of data is often questionable (González Muñoz et al., 2023). However, SROI provides a useful approach for analysing and increasing the level of social value created by anti-poverty initiatives in China and help policymakers to identify strategies for increasing the efficiency of poverty reduction policies.

Environmental Policies and SROI

Environmental policies are important for achieving sustainable development in China mainly because the country is experiencing rapid industrialization while it occupies a strategic position in addressing global environmental issues. Currently, China's environmental problems include air pollution, water resource, and carbon emissions, and the government has developed myriads of policies that can help to enhance the environmental quality (Gosselin et al., 2020). They include; encouraging the use of renewable energy sources, reducing emission of carbon, improving pollution management and encouraging the development of green technology. Based on this, the application of the Social Return on Investment (SROI) framework while evaluating such policies is important in as far as it captures more than the mere monetary value of policies.

The conceptual model of SROI enables consideration of various aspects of environmental policies by assessing the value of the identified social impacts while taking into account quantitative and qualitative factors that are not taken into account in cost-benefit analysis. For instance, in the WHO Ambient Air Pollution database, China has made considerable social impacts especially through its "Air Pollution Prevention and Control Action Plan" and through the adoption of electric vehicles (EVs) (Hartfiel et al., 2023). Using the SROI approach, intangible values that are derived from health that is generated by low respiratory diseases, low premature death, and low healthcare costs can be monetized. For instance, lower levels of air pollution in cities such as Beijing are due to fewer hospitalization for respiratory illnesses, which make up the part of social return on investment.

Also, the author points to the fact that commitment to renewable sources like solar and wind energy has been evident in China and has been of great social value (Hartfiel et al., 2022). These initiatives apart from countering climate change also led to generation of green jobs, energy access and departure from energy poverty mainly in the rural areas. Using SROI, such outcomes then logically extend to a more extensive view of social value, other than the extent of carbon emissions cut.

However, there are certain limitations of using SROI for implementation in Chinese environmental policies, which are: quantitative valuation of environmental and health improvements is not easy, data collection is not standardised, and inclusion of long-term social and environmental impact (Hunter et al., 2022). However, the SROI methodology provides a unique and powerful tool to measure complex returns of environmental investment, and it will guarantee that China's policies for the environment will have positive effects on the welfare and the environment.

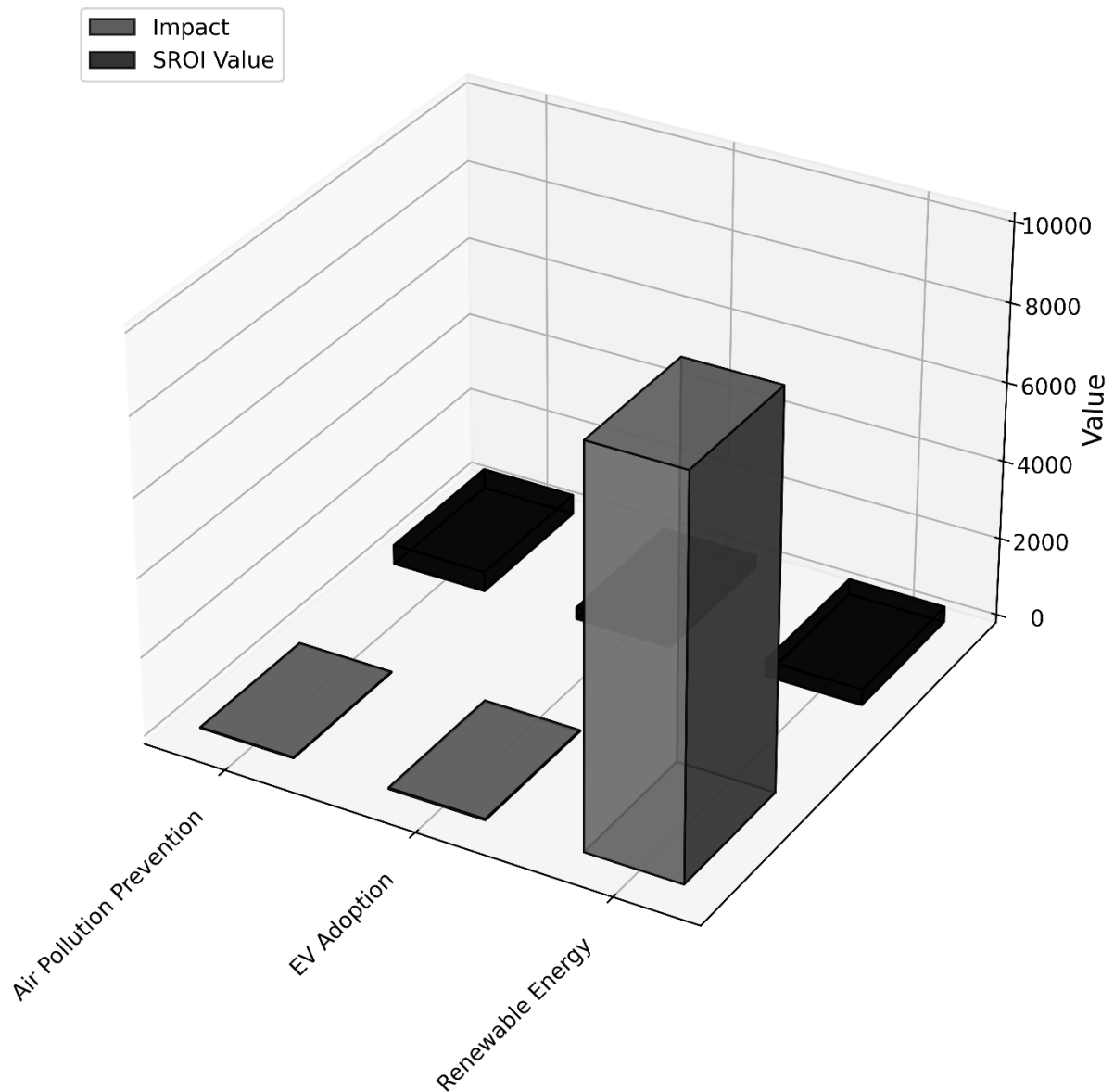


Figure 3. Social Value of Environmental Policies in China

Source: Self-generated

Figure 3 depicts the social return on investment of three environmental policies in China. Since the total SROI as noted in the illustration above is impressive, it can be found out that even though “Air Pollution Prevention (Beijing)” had a major impact, its SROI was lower than “Renewable Energy Investment (Wind/Solar)”. This then implies that funding in renewable energy could have more value for money for China’s society.

Challenges of Implementing SROI in China

Some of the impediments involved in the application of the SROI framework in China include Cultural, institutional and data constraints. Thus, while the presented SROI methodology may provide useful

information for assessing the investment in social value of public policies, its practical implementation in China has several challenges.

Cultural Differences in Valuing Social Outcomes

This study identified the cultural perception of social value as a major hindrance to implementing SROI in China. For, in many Chinese contexts, the nature of received gains is collective, and, therefore, the evaluation of collective welfare is predominating in terms of the collective return. This collective mentality goes well in making it hard to synchronize the SROI framework that relies a lot more on individualistic outcomes and measurable profitability with the conventional policy evaluation system in China (Hutagaol et al., 2022). The concept of social benefits like social capital, psychological wellbeing, or environmental enhancement is not quantitatively discernible at all times which makes the application of SROI's monetary frameworks somewhat paradoxical to the stakeholders 'concerns in China.

Data Availability and Quality

A second challenge is the absence of systemic, systematic and available data. SROI focuses a great deal on factually sound, detailed evidence for outcomes and monetary valuation of social impact (Hutchinson et al., 2020). Concerning China, the problem of data accessibility is significant, especially when the regulatory policies are developed and maintained at the local governmental level – often the records are not documented properly or are hard to get. Primary data collected from the government is centralized data different from the private sector data; their data mainly emphasize the economic returns more or less disregarding social returns hence the challenge of obtaining comprehensive data by researchers or policy makers to support SROI calculation. In addition, questions on data accuracy and disclosure may dampen the quality of insights generated from SROI assessments.

Institutional Barriers and Policy Frameworks

China's public policy framework tends to contain a system in which policies are executed based on the decisions of higher authorities in the central government (Hyatt et al., 2022). This matter of hierarchy at times complicates it to implement frameworks such as SROI which demands engagement of multiple parties at the local level. SROI also lacks structured professional protocols of practice, which prevent its linkage to the communicative evaluation procedures in government work. Lack of more specific notions and legal backing for the SROI framework may result in the existence of legal uncertainty for policymakers as to its best practice use.

Capacity and Expertise

Another weakness of SROI is lack of enough expertise concerning the application of the method in China. Although the concept of SROI has received increasing attention, there is still a deficiency of

clear perceptions among policymakers and public administrators regarding the practical application of this framework. Strengthening human capacities is essential in the growth of local capability and expertise in the application of the methodology but is still an emerging field in Chinese public administration. However, if there isn't enough information or experts in SROI methodologies, there is a danger that SROI will be used inadequately or not used at all.

Policy-Maker and Stakeholder Perspectives

The adoption of the Social Return on Investment (SROI) framework in China's policy evaluation processes has been met with a variety of perspectives from both policymakers and stakeholders (Jones et al., 2020). Government officials in China are paying more attention to social returns on public investment since traditional measures based on economic costs and benefits cannot properly reflect the social benefits of public policies. Implementing a broader approach to evaluation, such as the SROI tool, is regarded as a reaction to increasing pressure for clarity, justification, and optimization of public assets' use. Nonetheless the following factors affect the application of SROI.

First of all, most of the policymakers regarded the possibility, which SROI affords, to demonstrate a more profound insight into the issue of social value, primarily in the spheres of healthcare, combating poverty and comprehensive environmental protection. They view SROI as a useful tool to guide resource allocation by illustrating both the direct and indirect benefits of policy initiatives. For example, in the context of rural health systems reform, the capacity to define and measure increases in health, of the citizenry and the quality of life beyond simplistic economics is considered vital for sustaining development initiatives.

However, the integration of SROI into mainstream policy evaluation faces several challenges. One of the key barriers is the lack of familiarity with the SROI methodology. Many policymakers still rely heavily on traditional cost-benefit analysis (CBA) models, which focus mainly on financial returns. This makes the transition to SROI's more holistic, non-monetary impact measurements a significant shift in thinking.

Concurrently, the stakeholders, including NGOs, local communities and private partners expect a high capability of SROI to capture the overall impact of the policies in society. For instance, in poverty reduction in rural development projects, local people have grasped SROI as a chance for social impact such as better standard of living and goodwill to be validated together with economic value.

However, despite the general endorsement of SROI in view of its theoretical advantages, the exploration reveals a requirement for training or capacity development programs to strengthen the adoption and execution of SROI by Chinese policymakers and relevant actors.

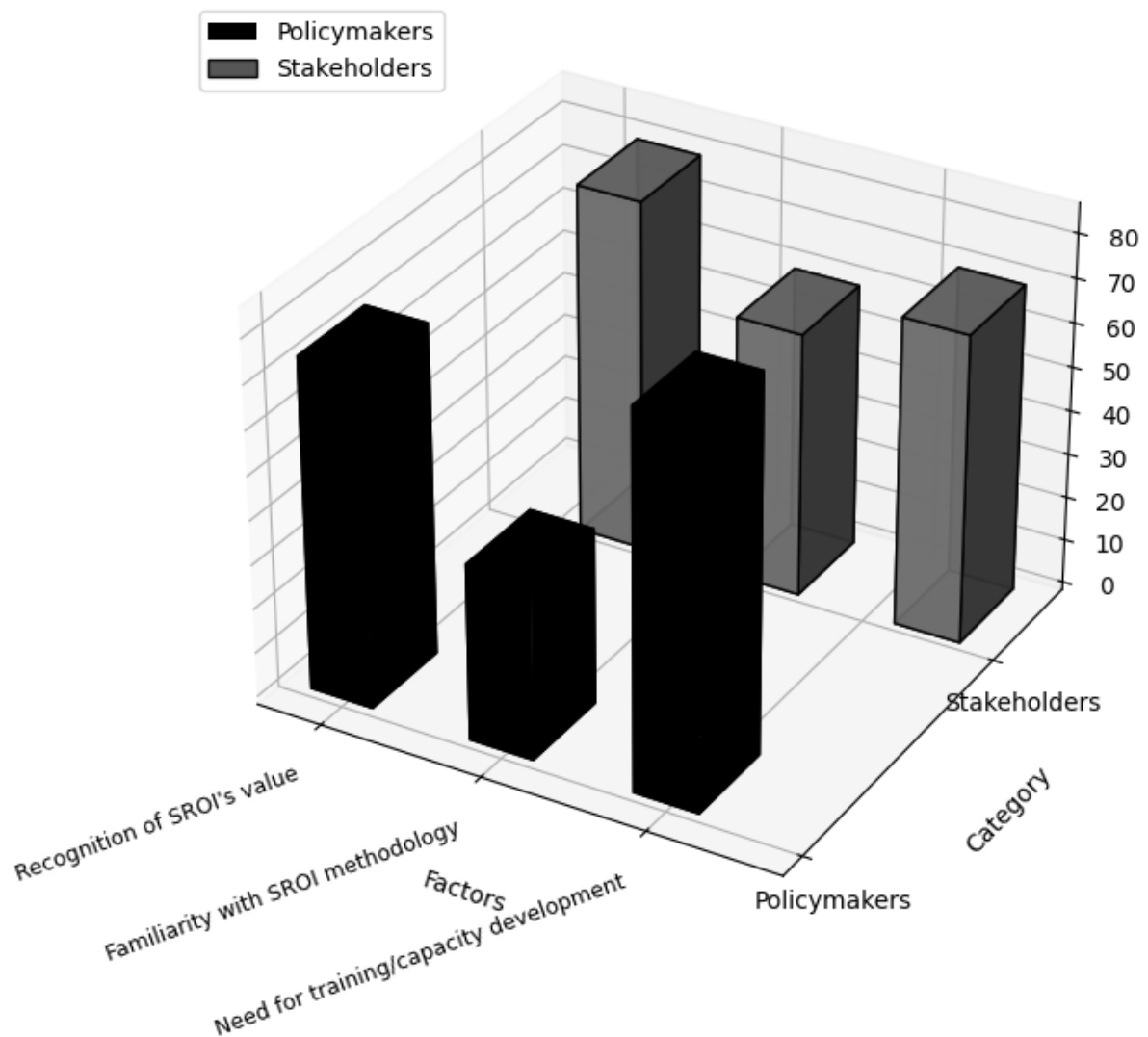


Figure 4. SROI Adoption Perspectives: Policymakers vs Stakeholders

Source: Self-generated

Figure 4 translates the views of policymakers and stakeholders on the implementation of SROI. It indicates that although the policymakers are more aware of the usefulness of SROI more of the stakeholders may know of the methodology. Both groups have the need for training and development of capacity in implementing the SROI. This points towards another feature: there might be a gap between the key decision makers and respectively the more pragmatic outlooks of SROI's application.

Future Directions for SROI in China

As China continues to evolve into a global economic powerhouse, the application of the Social Return on Investment (SROI) framework holds significant potential for enhancing the social value of public policies (Kajornattapong et al., 2022). This paper identifies several issues that need to be resolved in

regard with the further development of SROI in China in order to become fully incorporated into the assessment of policies and decision-making processes.

SROI's future development plan includes the implementation of evaluation systems based on this approach at national level. At the moment, policy assessments in China are based primarily on economic indicators such as the GDP growth rates, the rates of employment, and tax receipts. However, with growing population communal issues like impending aging population, income disparities and environmental problems in China, there is growing demand for including social value considerations in these assessments. SROI will allow policymakers to capture any other gains related to policy outcomes including health, education, and impacts positively on the natural environment.

The next is the process of establishing guidelines for SROI disaggregation at the local level. The nature of China has significant geographic, cultural, and socio-economic differences that make it necessary for the Chinese context to situate an appropriate application of SROI (Kim, 2022). Policymakers and analysts will need region-specific guidelines that account for local priorities and data availability. For instance, rural development policies may require distinct social impact metrics compared to urban development initiatives.

Besides, there is a need for enhancing the capacities of organizations in the implementation of SROI in China. By educating policymakers, government officials, and other stakeholders in the principles and practice of SROI standardization will be gained to secure correct usage.

Last but not the least, the cooperation between the university, government and business circle will create the foundation to advance and adapt the SROI framework more suitably to the Chinese context, and to involve new technologies such as big data analytics and artificial intelligence for real-time monitoring of impacts (Krieger & Mauck, 2024). This integrated approach will enhance the overall effectiveness of public policies in achieving sustainable social outcomes.

Theoretical Analysis

The theoretical foundation for this study integrates Stakeholder Theory and the Theory of Change, both of which are crucial for applying the SROI framework in evaluating the social value of public policies in China.

Stakeholder Theory

This theory also focuses on a multi-relational approach of different related actors in the form of government agencies, local communities, NGOs, and private actors, all of which are actively involved in shaping public policies. In the Chinese context where centralised governance and decentralised policy execution co-exist, Stakeholder Theory acknowledged that all participants' input and agendas should be integrated in practical projects. For instance, the health sector remains in need of active participation

of the provincial governments, healthcare providers, and local beneficiaries in the provision of needed reforms in order to balance and provide equal access and efficiency (Leal Filho et al., 2022). Stakeholder Theory therefore extends understanding of how various players act and are affected by the policy processes and gives recognition to the qualitative aspect of social value creation.

Theory of Change

The Theory of Change provides a conceptual framework for identifying the necessary interactions that connect policy inputs to progress toward the desired social change vision. Such an approach is most fitting with the goal-oriented Chinese campaigns, the goals established for which – like, poverty eradication or the increase of the usage of green energy – are socially useful and quantifiable (Makanjuola et al., 2023). It is useful in the definition of the SROI analysis by dividing various activities, outputs, and long-term consequences into clear concepts of how policies result in social value.

As shown in Figure 1, altogether, they foster an assessment in terms of SROI since they also take into account the stakeholder relationships and systematic mechanism by and through which policies deliver their impact in China. By anchoring the work in this theoretical context, the qualitative approach to the research remains robust and sensitive to the complex ways through which social value manifests in the dynamic socio-economic context.

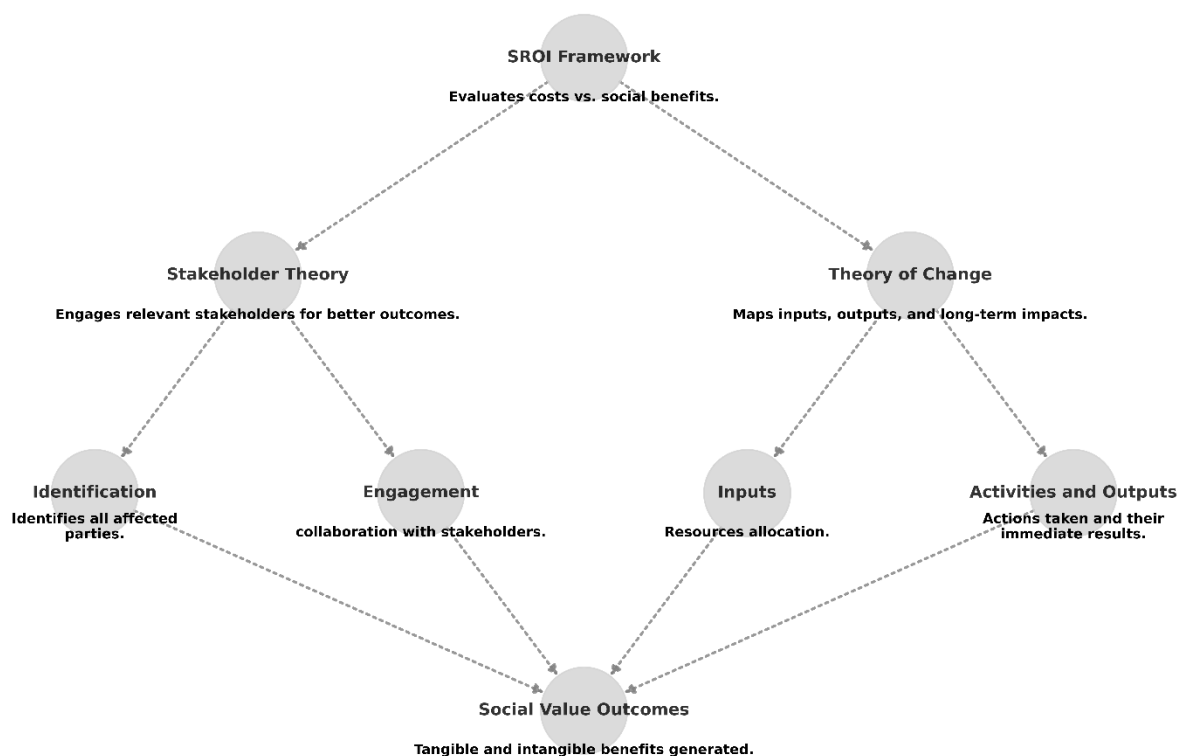


Figure 5. Theoretical Framework Source: Self-generated

Figure 5 provides hypotheses on how to blend SROI, Stakeholder Theory, and Theory of Change. It's an explanation of how SROI can be applied in measuring the social impact of public policies based on engagement of the stakeholders and the management of inputs, outputs and the ultimate effects. This framework incorporates stakeholder engagement throughout the policy cycle in order to achieve better results and to maximise social impact.

Research Approach

This work employs a qualitative research method especially the SROI tool for measuring social value of Chinese public policies (Ma et al., 2023). In light of the fact that China is a large country and the communities in this setting have multicomponent structures, there is need for an approach, which can give qualitative data and this makes the approach more suitable for attempting to describe in detail how the policies impact different groups and community and in what ways they do so in the context of the environment.

The kind of data that is gathered is secondary, thus the policy documents, government reports, and other proofs existing research on SROI pays a lot of attention to. Data sources include China's Five-Year Plans, national health and education reports, environmental policy evaluations, and publications by international organizations such as the World Bank and United Nations Development Programme (UNDP).

In this way, patterns and themes, like stakeholder engagement, sustained, societal benefits, and applying resources efficiently across sectors such as health care, education, and the environment are realized. Comparing the effectiveness of the policies used in these sectors, comparative analysis is done.

This approach of understanding social value helps to overcome the difficulties which arise during SROI implementation in China, namely, data availability and cultural interpretation of social value (Makanjuola et al., 2022). Through the thematic analysis of data, the study represents a valuable practical contribution to understanding how policies respond to stakeholders' needs as well as support the achievement of sustainable development goals by providing the appropriate guidelines to policymakers.

Data Collection Techniques

This study adopted a quantitative research method that focused solely on secondary data to examine the Social Value of Public Policies with reference to the SROI framework in the Chinese context. Secondary data sources involved academic journals, government publications, case and impact studies which have been published over the last five years. Data for this study was gathered from reliable international databases like PubMed, ResearchGate and institutional repositories, keeping in view the aspects of credibility and relevance to the SROI framework.

The review built upon other theoretical frameworks that are helpful in achieving analytical frameworks linked with relevant information of stakeholder theory and established approaches to social impact assessment, which contain a framework for understanding public policy in relation to stakeholder expectations (Maleki & Smith-Colin, 2023). This process included finding out input, output, and outcome indicators in relation to the social policies especially in the enhancements of the SDGs.

Information on stakeholders was obtained from prior published studies and policy reviews involving participatory research to yield a sample that includes a variety of different stakeholders. Concern was given to capturing the social, environmental and economic factors of value generation as evidenced in recent SROI studies cantering on similar social-economic environments in Asia and other regions of the world. These data offered understanding of tangible quantifiable evidence of social change, which served useful in policy impact assessments as well as cross country comparisons with other countries' SROI initiatives.

This methodology made it easier to understand how public policies produce both real and non-real social returns, which enhances transparency and efficient decision making. Subsequent additions to the literature from principal global research projects supported the approach and illustrated its usefulness across a broad range of policy areas – with specific focus on healthcare, education and environment.

Analytical Methods

In this study, the analytical methods are based on the qualitative analysis of SROI in the context of China's public policies. Given that, the data was analysed using thematic analysis and comparative case study analysis to enhance understanding on how policies create social value.

Observational Analysis was used to code the secondary data into themes, which include government type reports, policies and cases. This method proved effective in highlighting crucial social issues such as access, communal welfare, sustainability of the environment, which is in line with SROI measurement specifications of non-monetary benefits. The thematic analysis allows to investigate the views of the stakeholders, reveal the latent social utility of the policies and reveal how various policies in China support societal objectives (Manan et al., 2023).

Further, a comparative case study approach whereby different SROI was done across sectors such as health sector, education and environmental conservation was used. Through the comparison of these sectors, the research analyses difficulties and opportunities of the applying of the SROI framework in various sectors and provides a better understanding of how social value is created in different fields of public policy in China.

These analytic tools borrowed from the qualitative research paradigm helped examine China's public policies and their social ROI.

Results

This section discusses the findings that arose out of the SROI framework analysis of Chinese public policies, discussed with respect to the Stakeholder Theory and the Theory of Change. In this study, a qualitative research technique using secondary data sources has been employed to establish the findings which are derived from government policy reports, case studies, academic publications and reports and publications from intergovernmental organizations. Using thematic comparison, the study reveals the principal social impacts and the way countless public policies contribute to social value creation in Chinese healthcare, education, and environment systems.

Healthcare Policies and Social Return on Investment

This research showed that several healthcare reforms in China, specifically under the Rural Health Reform Program and Basic Medical Insurance System have positive SROI: Social Returns on Investment (Table 1). The above policies fit into the Stakeholder Theory to the extent that they required integration of central government agencies with local health authorities, rural people and NGOs (Wagenaar et al., 2023).

Key Themes Identified

Access to Healthcare: Accessibility of care was one of the measure areas that received a great boost by the healthcare reforms especially in rural and under-served areas. According to Stakeholder Theory, stakeholder participation was also apparent with local governments and health providers in delivering healthcare services to targeted vulnerable groups (Meister Broekema et al., 2022). Through appointment of local health workers, adequate funding for rural health facilities and access to the formal health sector has been advanced to meet the most basic demand of the population.

Health Outcomes: The medical insurance system helped to change the health of the population for the better and in particular reduced the number of cases of morbidity caused by diseases such as tuberculosis and respiratory infections. This is in line with the Theory of Change that presupposes certain policy inputs such as increase in government funding and insurance coverage yielding direct health outcomes for increasing the health of the population and thereby decreasing health inequalities among them.

Stakeholder Satisfaction and Engagement: Finding based on the analysis of qualitative data collected during focus groups with representatives of rural areas, doctors, and local administrations suggest that the population is satisfied with the changes. Interviews with healthcare workers highlighted the improvements in working conditions and resources, while community members reported better access to medical services.

Social Impacts

Reduced Mortality Rates: These changes have had good impacts on the continual decrease of avoidable mortalities particularly in the children and the elderly in rural areas.

Increased Health Equity: The policies helped bridge the gap in healthcare access between urban and rural areas, contributing to a more equitable healthcare system across the country.

Table 1. SROI indicators for healthcare policies in China

Indicator	Healthcare Outcome	SROI Impact
Increased Access to Healthcare	Expansion of rural clinics, medical insurance coverage	Improved health outcomes, reduced disease prevalence
Health Outcome Improvement	Decrease in preventable diseases, higher life expectancy	Reduced healthcare costs, increased productivity
Stakeholder Engagement	Positive feedback from healthcare providers and community members	Strengthened trust in healthcare system, better community participation

Education Policies and Social Return on Investment

Education is one of the most sensitive areas of public policy in China with the Compulsory Education Law and the National Vocational Education Reform as key endeavours proposed to address the issue of illiteracy and lack of skilled human resource. As given in Table 2 the consideration of SROI ratios for these policies indicates that reform of education policies in China has positively resulted in social value creation especially in literacy levels and skills, which, in relation to the Theory of Change physicalizes policy capital investments into societal values (Tisnawati et al., 2022).

Key Themes Identified

Improved Access to Education: The Compulsory Education Law that was passed with an aim to provide free education for children aged 6 to 15 has enabled the country record high school enrolment rates especially in the rural areas due to adequacy of resource mobilization for Free Education. Local governors, school managers, and parents have provided leadership in ensuring that children are provided with education and this contest clearly underlines the key approach of Stakeholder Theory.

Skills Development and Employment Opportunities: Ideologically, the emphasis placed on vocational education means that more skill developing activities for young people are created in China, thus, meeting the state's overall economic objective of the increased skilled labour force. The government

has set more focus on vocational schools and technical training which has helped in minimizing youths' unemployment creating better economic standards for the diseased groups (Vluggen et al., 2020).

Long-Term Societal Benefits: The myriad changes brought by the education reforms are more apparent in better literacy, better employment, and increased economic returns. The Theory of Change is useful to locate these outcomes by translating educational investments as contributing to such public objectives as poverty eradication and social cohesion.

Social Impacts

- **Higher Literacy Rates:** Literacy rates have improved significantly, particularly among marginalized populations in rural areas.
- **Increased Social Mobility:** Educational reforms have led to higher levels of educational attainment, contributing to greater social mobility, particularly in the less-developed regions of China (Wester, 2023).

Table 2. SROI indicators for education policies in China

Indicator	Education Outcome	SROI Impact
Increased Enrollment Rates	Widespread enrollment in primary and secondary schools	Improved literacy, better workforce preparedness
Vocational Training Success	Higher graduation rates from vocational schools	Reduced youth unemployment, improved economic outcomes
Long-Term Educational Impact	Enhanced skills and educational qualifications	Increased productivity, reduced poverty rates

Environmental Policies and Social Return on Investment

Environmental sustainability has taken the forefront as a major line of action in China's public policies with the adoption of more recent strategies such as the National Green Development Program and the Renewable Energy Development Plan (Merino et al., 2022). These policies have provided measurable social value by fighting such issues as pollution and supporting renewable energy sources consistent with Stakeholder Theory and Theory of Change (Table 3).

Key Themes Identified

Ecological Restoration and Environmental Awareness: Efforts on afforestation, and such other measures as integrated with reforestation, pollution and waste management have yielded positive results

in the sense that there are obvious improvements in the quality of air and water. This situation shows that the constituent members of the local communities, environmental non-governmental organizations and the private sector have also embraced these principles through Stakeholder Theory as agents of the environment management.

Renewable Energy Adoption: The governmental measures for the support of green energy production through the use of wind, solar, and hydropower resources have pushed the production of green energy to a new level in the country. Well documented here we have the Theory of Change where the investments in renewable energy have created a form of infrastructure that has provided for cleaner energy, reduced carbon emissions and improved energy security.

Long-Term Environmental and Social Impacts: The policies are not only for enhanced environmental performance but also for the sustainable development of green industries as well. Development of renewable energy and green technology has stimulated new Employment in the energy sector thus a positive impact to sustainable economic development.

Social Impacts:

- **Improved Public Health:** Reduced air and water pollution has led to better health outcomes, particularly in urban areas.
- **Job Creation in Green Industries:** The rise of green technologies and renewable energy sectors has resulted in job creation, contributing to economic growth.

Table 3. SROI indicators for environmental policies in China

Indicator	Environmental Outcome	SROI Impact
Reduced Pollution Levels	Improved air and water quality	Improved public health, reduced healthcare costs
Increased Renewable Energy Use	Expansion of wind, solar, and hydropower energy	Reduced carbon emissions, energy security
Job Creation in Green Industries	Growth in green jobs and clean energy projects	Enhanced economic opportunities, sustainable development

Comparative Case Study Analysis

The comparative analysis as shown in Table 4 of the policy documents of the healthcare, education and the environmental sectors reveals several interesting differences and similarities in how SROI is applied and interpreted in China's public policies.

Healthcare vs. Education: Both sectors give importance to enhancing the availability of crucial services but the Health sector pays more concentration on instant health consequences and the Education sector focuses on mankind's long-term innovation and social advancement (Nielsen et al., 2021). Education policies are clearly linked to economic productivity, but both sectors feature high-stakeholder participation.

Environmental Policies: Environmental policies therefore differ from other policies in the way that, in addition to delivering first order social gains such as improved health, also contribute to global environmental aims that can in turn support economic growth (Merino et al., 2020). The long-term perspective of these policies makes them a little different from health care and education that consider more about short term social effects.

Table 4. Comparative SROI Analysis of Healthcare, Education, and Environmental Policies

Policy Area	Stakeholder Involvement	Social Impact	Long-Term Effects
Healthcare	High (government, providers, community)	Reduced mortality, health equity	Improved public health, increased life expectancy
Education	High (government, schools, parents)	Increased literacy, social mobility	Higher employment rates, economic growth
Environmental Policies	Medium (government, NGOs, industry)	Cleaner environment, green energy	Sustainable development, green economy

The outcomes derived from the present research suggest that development of the public policies in China, specific to health care and education, environment protection and sustainability created a significantly large amount of social capital which has been estimated by the SROI tool. When combined with Stakeholder Theory as well as the Theory of Change, the approach offers a detailed explanation of how these policies create sustainable positive change within society. Data accessibility and the difficulty in ascertaining the value of less tangible 'social' benefits are still a problem, though. In the future, the extent of applying SROI for the evaluation of policies and promoting the development of local stakeholders in China can improve the outcomes of governmental policies.

Discussion

This study aimed to understand the social value of selected policies in China using a Social Return on Investment paper focusing on health, education, and the environment policies (Moral Torres et al., 2020). This paper focused on using the qualitative data from secondary sources including government reports, case studies, and academic journals, to determine the feasibility of using SROI analysis to measure the social impact and to evaluate the social impacts of the Chinese public policy and to establish the stakeholders' perception of SROI as a tool for policy evaluation. From the specific analysis provided in the Results section of the current study, one can observe the significant social impact that Chinese public policies have started to produce in the spheres of health care, education, and environmental management. The following section focuses on the interpretation of these results in relation to the research goals and the theoretical literature to explain the applicability of SROI to the process of policy making in China.

Applicability of the SROI Framework in China's Public Policy Context

The idea of SROI bridged the goals of China's public policies with positive results when measuring the social value of health care, education, and the environment reforms. Applicability of SROI in relation to Chinese context is well grounded with the aid of Stakeholder Theory as well as the Theory of Change because the two theoretical frameworks focus on the elements of stakeholders' engagement as well as causal pathways from inputs to long-term policy outcomes. As identified by the studies, the process of executing public policies in China engage participation from the federal, regional, and local governments, relevant ministries, healthcare facilities, schools, colleges, universities, and NGOs (Muttaqin, 2022). This level of stakeholder engagement is the core of SROI that looks not only for monetary but also for social, environmental, and human value co-created by stakeholders due to policies.

For example, the Rural Health Reform Program and the Basic Medical Insurance System show great enhancements of health access in healthcare in less served areas. Stakeholder Management in line with Stakeholder Theory also entailed these policies involving stakeholders at different levels to guarantee the delivery of appropriate health service to rural communities (Nachum, 2021). This approach was in sync with the SROI practice, which saw stakeholder involvement as a critical component of social value generation. Within the education domain, the compulsory education and vocational education exemplified how SROI can be used for value synthesis to measure social value addendums in learning achievement and better employment prospects that could be realised in literacy majority and especially vulnerable groups (Načisčionis & Urmonas, 2021). Another notable example of the concept maps in operation was the utilized Theory of Change model that connects certain inputs that presume, such as

funding and policy design, with certain outcomes, such as social mobility improvement, in the long-term impact analysis and the positive education outcomes.

Therefore, the SROI framework is found relevant for China's politics of public policy where the engagement of concerned stakeholders and the creation of values for the intended beneficiaries are important policy principles.

Quantification of Social Impact Using SROI

The application of the SROI framework was found most useful in analysing the social value of health care, education and environment policies in China. In fact, in healthcare, the Adoption of the health system reforms like the Basic Medical Insurance System ensured that specific changes were achieved on the physical status of the healthcare systems especially in the rural areas. The SROI analysis was calculated to such aspects as lowered mortality rates, the enhancement of equitable healthcare services (Nusapati et al., 2020). The monetary value attached to these social objectives allowed the analysis to give cost-benefit figures to the policy changes. They coincide with the Theory of Change which holds that specific interventions (for example, funding of health insurance) will produce direct positive impacts for society, in this case, decreased incidence of preventable diseases and better health.

In education, the SROI framework showed that the policies that focused on the increase of enrolment ratios and promotion of vocational education produced values for society in the form of literacy rate enhancement and employment rate growth. The enhanced social mobility brought by such educational changes was then measured in terms of SROI, aimed at proving how spending on education paid off the educational reforms yielded higher education infrastructure, which created long-term social value or reducing poverty and boosting economic development (Oliveira et al., 2023). This was particularly revealed in the rural areas where the education policy increased enrolment to school age and workforce quality.

Policies related to the environment and most especially those with an emphasis on energy from natural resources and restoration of the ecology also produced high levels of social value. In SROI analysis in this sector, reduced pollution levels and improvement in public health together with job opportunities in green industries (Oosterhoff et al., 2020). Such outcomes were consistent with the Theory of Change, pointing to how enhancement of green technology and sustainability programmes serve the twin causes of environmental concerns and overall economic growth.

That quantification of those impacts is possible using the SROI framework is a big bonus to our policymakers because it offers them one clear picture of the returns that public policies create. It enables the consideration of policy-created social value on the aspects which are harder to grasp with other methods which can be helpful in the context of China's constantly changing policy environment.

Stakeholder Perspectives on the Value of SROI for Policy Evaluation

The purpose of this study was to assess the SROI analytical framework in the evaluation of Chinese policies from the standpoint of stakeholders and their perceived worth of such an approach (Raiden & King, 2023). An analysis of qualitative data available in government documents, journal articles, and case studies eventually suggested that the concept of social value is valued by stakeholders. There was a positive attitude concerning healthcare reform from most stakeholders such as healthcare providers, and local governments. These stakeholders identified enhancements in health care accessibility and utilization as some of the areas that benefited from extra sector participation, cooperation and identification that the SROI technique promotes.

In the same way, parents, school administrators, as well as local governments in the education sector stressed on the social mobility that has been brought in by the reforms made in the educational sector. This was possible because the SROI analysis made stakeholders aware of the value of investment in education especially for rural students. They also assisted the policymakers in such a way that it was easy to identify how their investments were likely going to make a difference in the social circumstances of the people such as literacy levels, unemployment rates among the youths.

As mentioned by the environmental sector participants including local community, NGOs, and the private sector participants, SROI was also found useful in estimation of social value for environmental policies (Regan, 2021). The organization accomplished an SROI analysis that enabled to prove not only the concern of green policies towards environmental issues but also their potential positive effects for the society, including generation of new jobs in industries and better health. Stakeholders from renewable energy projects said that the SROI framework assisted in showing more benefits of the projects beyond or in addition to financial cause, which often was not considered by conventional accounting procedures.

In light of these findings, it is evident that the stakeholders are involved in calculation and identification of the social return on investment. With the incorporation of the stakeholder feedback into the assessment, the SROI framework affords an insight of how the policies are viewed as well as the potential value (Scharlach et al., 2023). However, such participation empowers policy evaluations and thereby can result in an enhanced decision-making process.

Implications for Policy Evaluation and Future Research

Several implications for policy evaluation in China can be derived from the findings of the present study. First, in the SROI framework there is presented a broad tool of measurement of social value of a policy which is applied in addition to the basic economic methods generally used in evaluations. By including social, environmental and human capitals, the SROI methodology provides a more realistic picture of how policies work on the ground, which may be of particular value to China as the nation

struggles to solve a number of social problems such as health inequality, education, and protection of the environment (Skinner et al., 2023).

Second, the study underscores stakeholder involvement in policy appraisal, which has received little attention in most existing works. They include the consideration of stakeholder's point of view in the formulation of policies: through the application of the SROI framework, policy makers get a feel of the needs of the targeted community. Such an approach can increase efficiency of policies, as well as the results of their implementation.

Last but not the least, the effectiveness of this SROI framework that we applied has been illustrated in assessing the social value of public policies in the Chinese context but there are some limitations on the access to data and on how to quantify the non-financial impacts (Severino-González et al., 2022). This means that future research needs to identify how these challenges can be overcome to promote better data collection and how the SROI model should be better adapted to encompass the whole range of social impact.

Conclusion

Summary of Key Findings

The results of this analysis provide evidence in support of the use of the SROI framework for measuring the social effects of China's public policies. After using the SROI approach across the major strategic fields including health, education, and environmental protection, it was realized that China's public policies have positively impacted creation of social value. Potential benefits include better health, better education and major advances in environmental quality. These include: healthcare remodelling such as the Rural Health Reform Program which has provided a positive effect to availability to healthcare thus affecting mortality and health disparities. Government policies including the Compulsory Education Law have ensured that a large number of citizens can now read and write better as well as get better employment through vocational training. The measure linked to the improvement of environmental conditions has embraced green growth through the reform on renewable energy and ecological damaged areas, public health and job creation. In sum, these policies have created tangible benefits that present social returns, in accordance with Stakeholder Theory and Theory of Change.

Contributions to Policy Evaluation Practices

This research also underscores the value of adopting a mixed method approach and engaging stakeholders in policy assessment. The application of SROI in China does stress that public policies not only should be performed according to the monetary rewards but also by social effects. The results would help inform the policymakers by involving all stakeholders, featuring local governments, healthcare organizations, communities, and environmental groups. Appreciating Stakeholder Theory and the Theory of Change are also useful in understanding how various policy inputs including

government capital investments and community contribution result into sustainable social outputs. On this note, the study emphasizes that policy evaluation should not only focus on costs and benefits to ensure that all forms of social impacts are understood as critical to development and enhancement of the quality of life.

Recommendations for Stakeholders and Policymakers

The findings of this study suggest several key recommendations for policymakers and stakeholders involved in the development and evaluation of public policies in China:

Adopt SROI as a Standard Evaluation Tool: The authors should stand out to ensure that SROI is used as a main model for evaluating the social value of policies. This will serve the purpose of enhancing systematic measurement of social impacts in achievement of health, education, and environmental conservation (Stielke et al., 2023). When applied to monetary values, SROI can allocate, compare and prioritise resources or introduce changes be it in terms of policy or otherwise.

Enhance Stakeholder Engagement: This study focuses on the discussion of how stakeholders are involved in the creation of social value. It was suggested that local governments should have close working relationships with the central government, civil society organizations and other stakeholders in order to make policies which are sensitive to the local circumstances (Talboom-Kamp et al., 2021). In this case, stakeholder participation contributes to enhancing better policy, increased support from the society, and policy management.

Address Data Accessibility Challenges: Despite this, SROI provides a more holistic approach; data constraints including qualitative outcomes that are apparently social are still a problem. To respond to the several limitations the analysis highlighted, policymakers should direct more resources in the enhancement of data collection systems and methodologies to enhance the quality of SROI reports. This will eventually enhance the efficacy of policy effects analysis as well as assist in the optimization of these policies for social value.

Promote Cross-Sector Collaboration: Since most social issues are linked, including health, education, and the environment, cross-cutting work should be emphasized (Tate et al., 2023). There is a need for policy coherence across multiple policy fields to enhance the social returns on policy initiatives, for instance, in promoting education- health linkage to enhance workforce health and productivity.

Declaration of Interest Statement

The author does not have any conflict of interest in connection to this study. The present research was an individual effort and this article does not reflect any affiliation with the funding agency or my employers; the analysis and the opinion are solely of the author. There is no conflict of interest of

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Reference

- Akmal, A., Asriany, A., Bando, N., Mihrani, M., & Mariam, M. (2024). Examining The Effects of Technology Adoption, Cultural Values, Social Capital, and Government Policies on Entrepreneurial Success and Social Impact in Indonesia. *International Journal of Business, Law, and Education*, 5(1). <https://doi.org/10.56442/ijble.v5i1.402>
- Anam, A. K., Arifin, M., Mahaputra, W., & Agus Prasetyo, R. (2022). Analysis of Social Return on Investment (SROI) on Social Innovation of Superman Sumanding. *Journal of Management and Entrepreneurship Research*, 3(2). <https://doi.org/10.34001/jmer.2022.12.03.2-30>
- Ariza-Montes, A., Sianes, A., Fernández-Rodríguez, V., López-Martín, C., Ruíz-Lozano, M., & Tirado-Valencia, P. (2021). Social Return on Investment (SROI) to Assess the Impacts of Tourism: A Case Study. *SAGE Open*, 11(1). <https://doi.org/10.1177/2158244020988733>
- Atsalikorn, W., Laothamatas, J., & Prasoptham, J. (2023). Social impact and social return on investment of the potential development project for elderly care service in Mae Mok subdistrict, Thoen district, Lampang province. *Kasetsart Journal of Social Sciences*, 44(3). <https://doi.org/10.34044/j.kjss.2023.44.3.03>
- Basset, F. (2023). The Evaluation of Social Farming through Social Return on Investment: A Review. In *Sustainability (Switzerland)* (Vol. 15, Issue 4). <https://doi.org/10.3390/su15043854>
- Basset, F., & Giarè, F. (2021). The sustainability of social farming: A study through the social return on investment methodology (SROI). *Italian Review of Agricultural Economics*, 76(2). <https://doi.org/10.36253/rea-13096>
- Boyce, G., & McDonald-Kerr, L. (2020). PPPs and non-financial value: a critical analysis of public policy and implications for social, environmental and indigenous cultural values. *Meditari Accountancy Research*, 29(2). <https://doi.org/10.1108/MEDAR-02-2020-0775>
- Bussemeyer, M. R., Rathgeb, P., & Sahm, A. H. J. (2022). Authoritarian values and the welfare state: the social policy preferences of radical right voters. *West European Politics*, 45(1). <https://doi.org/10.1080/01402382.2021.1886497>
- Cheng, X., Long, R., & Wu, F. (2022). How Symbols and Social Interaction Influence the Experienced Utility of Sustainable Lifestyle Guiding Policies: Evidence from Eastern China. *International Journal of Environmental Research and Public Health*, 19(7). <https://doi.org/10.3390/ijerph19074305>

- Cleland, J., Hutchinson, C., Williams, P. A. H., Manuel, K., Laver, K., & Clin Rehab, M. (2022). Home Automation for Adults With Disability Following an Injury: Protocol for a Social Return on Investment Study. *JMIR Research Protocols*, 11(12). <https://doi.org/10.2196/42493>
- Corvo, L., Pastore, L., Mastrodascio, M., & Cepiku, D. (2022). The social return on investment model: a systematic literature review. In *Meditari Accountancy Research* (Vol. 30, Issue 7). <https://doi.org/10.1108/MEDAR-05-2021-1307>
- Courtney, P., & Powell, J. (2020). Evaluating innovation in European rural development programmes: Application of the social return on investment (SROI) method. *Sustainability (Switzerland)*, 12(7). <https://doi.org/10.3390/su12072657>
- de Leon, S. v. (2021). The Social Return on Investment Methodology as A Tool for Valuation and Impact Assessment for Libraries: A Case Study. *Journal of the Australian Library and Information Association*, 70(2). <https://doi.org/10.1080/24750158.2021.1895465>
- de Marchi, V., & Alford, M. (2022). State policies and upgrading in global value chains: A systematic literature review. *Journal of International Business Policy*, 5(1). <https://doi.org/10.1057/s42214-021-00107-8>
- de Rus Mendoza, G. (2023). The social value of the economic appraisal of public policies. *Ekonomiaz*, 103(8).
- Denburg, A. E., Giacomini, M., Ungar, W., & Abelson, J. (2022). Ethical and Social Values for Paediatric Health Technology Assessment and Drug Policy. *International Journal of Health Policy and Management*, 11(3). <https://doi.org/10.34172/ijhpm.2020.144>
- Denburg, A. E., Giacomini, M., Ungar, W. J., & Abelson, J. (2021). The moral foundations of child health and social policies: A critical interpretive synthesis. *Children*, 8(1). <https://doi.org/10.3390/children8010043>
- Denny-Smith, G., Sunindijo, R. Y., Williams, M., Loosemore, M., & Piggott, L. (2023). A Mixed Methods Evaluation of the Social Value of Indigenous Procurement Policies in the Australian Construction Industry. In *Mixed Methods Research Design for the Built Environment*, 42(3). <https://doi.org/10.1201/9781003204046-8>
- Edmonds, A., & Roberts, R. (2021). The cultural policy value of building social connection for new arrivals and why arts work evaluations should reflect that value. *International Journal of Cultural Policy*, 27(4). <https://doi.org/10.1080/10286632.2020.1802438>

- Elsayed, H., Bradley, L., Lundin, M., & Nivala, M. (2023). Social and democratic values in school-based health promotion: A critical policy analysis. *Cogent Education*, 10(2). <https://doi.org/10.1080/2331186X.2023.2259477>
- Gong, P., Wang, L., Liu, X., & Wei, Y. (2022). The value of social media tool for monitoring and evaluating environment policy communication: a case study of the ‘Zero-waste City’ initiative in China. *Energy, Ecology and Environment*, 7(6). <https://doi.org/10.1007/s40974-022-00251-8>
- González Muñoz, J. L., García-Agua Soler, N., & García Ruiz, A. J. (2023). Study Protocol on Social Return on Investment (SROI) Project of the Surgical Waiting List Management System. *Healthcare (Switzerland)*, 11(6). <https://doi.org/10.3390/healthcare11060825>
- Gosselin, V., Boccanfuso, D., & Laberge, S. (2020). Social return on investment (SROI) method to evaluate physical activity and sport interventions: A systematic review. In *International Journal of Behavioral Nutrition and Physical Activity* (Vol. 17, Issue 1). <https://doi.org/10.1186/s12966-020-00931-w>
- Hartfiel, N., Gittins, H., Morrison, V., Wynne-Jones, S., Dandy, N., & Edwards, R. T. (2023). Social Return on Investment of Nature-Based Activities for Adults with Mental Wellbeing Challenges. *International Journal of Environmental Research and Public Health*, 20(15). <https://doi.org/10.3390/ijerph20156500>
- Hartfiel, N., Gladman, J., Harwood, R., & Tudor Edwards, R. (2022). Social Return on Investment of Home Exercise and Community Referral for People With Early Dementia. *Gerontology and Geriatric Medicine*, 8(2). <https://doi.org/10.1177/23337214221106839>
- Hunter, R. F., Dallat, M. A. T., Tully, M. A., Heron, L., O'Neill, C., & Kee, F. (2022). Social return on investment analysis of an urban greenway. *Cities and Health*, 6(4). <https://doi.org/10.1080/23748834.2020.1766783>
- Hutagaol, A. L., Syukri, M., Siahaan, A., & Wardah, S. R. R. (2022). An Analysis of National Education System Policy and Social Values. *EDUKATIF: JURNAL ILMU PENDIDIKAN*, 4(5). <https://doi.org/10.31004/edukatif.v4i5.3731>
- Hutchinson, C., Berndt, A., Cleland, J., Gilbert-Hunt, S., George, S., & Ratcliffe, J. (2020). Using social return on investment analysis to calculate the social impact of modified vehicles for people with disability. *Australian Occupational Therapy Journal*, 67(3). <https://doi.org/10.1111/1440-1630.12648>

- Hyatt, A., Chung, H., Aston, R., Gough, K., & Krishnasamy, M. (2022). Social return on investment economic evaluation of supportive care for lung cancer patients in acute care settings in Australia. *BMC Health Services Research*, 22(1). <https://doi.org/10.1186/s12913-022-08800-x>
- Jones, C., Hartfiel, N., Brocklehurst, P., Lynch, M., & Edwards, R. T. (2020). Social return on investment analysis of the health precinct community hub for chronic conditions. *International Journal of Environmental Research and Public Health*, 17(14). <https://doi.org/10.3390/ijerph17145249>
- Kajornatthapol, P., Kamolthip, K., & Walailak, P. (2022). Social Return on Investment Assessment from Operations of Community-Based Innovation and Career Development Fund: Information Systems for Managing Community Financial Institutions. *Res Militaris*, 12(2).
- Kim. (2022). A Study on the Social Economy Value Index of Public Art Policy. *Journal of the Korea Institute of Spatial Design*, 17(3).
- Krieger, K., & Mauck, N. (2024). Opportunity costs and the value of corporate social responsibility: evidence from firm dividend policy. *Applied Economics Letters*, 31(18). <https://doi.org/10.1080/13504851.2023.2208330>
- Leal Filho, W., Levesque, V., Sivapalan, S., Salvia, A. L., Fritzen, B., Deckert, R., Kozlova, V., LeVasseur, T. J., Emblen-Perry, K., Azeiteiro, U. M., Paço, A., Borsari, B., & Shiel, C. (2022). Social values and sustainable development: community experiences. *Environmental Sciences Europe*, 34(1). <https://doi.org/10.1186/s12302-022-00641-z>
- Ma, G. C., Ravulo, J., & McGeown, U. (2023). Emergency Animal Boarding: A Social Return on Investment. *Animals*, 13(14). <https://doi.org/10.3390/ani13142264>
- Makanjuola, A., Lynch, M., Hartfiel, N., Cuthbert, A., & Edwards, R. T. (2023). Prevention of Poor Physical and Mental Health through the Green Social Prescribing Opening Doors to the Outdoors Programme: A Social Return on Investment Analysis. *International Journal of Environmental Research and Public Health*, 20(12). <https://doi.org/10.3390/ijerph20126111>
- Makanjuola, A., Lynch, M., Hartfiel, N., Cuthbert, A., Wheeler, H. T., & Edwards, R. T. (2022). A Social Return on Investment Evaluation of the Pilot Social Prescribing EmotionMind Dynamic Coaching Programme to Improve Mental Wellbeing and Self-Confidence. *International Journal of Environmental Research and Public Health*, 19(17). <https://doi.org/10.3390/ijerph191710658>
- Maleki, M., & Smith-Colin, J. (2023). Estimating Benefits of Microtransit for Social Determinants of Health: A Social Return on Investment System Dynamics Model. *Systems*, 11(11). <https://doi.org/10.3390/systems11110538>

- Manan, S. A., Haidar, S., & Amin, R. U. I. (2023). Beyond market and language commodification: Contemplating social-market value and social-welfare concerns in language education policy and practice in Pakistan. *Language and Education*, 37(1). <https://doi.org/10.1080/09500782.2021.1955917>
- Meister Broekema, P., Horlings, L. G., & Bulder, E. A. M. (2022). Understanding the value of co-creation for social innovation interpretations of social innovation and co-creation in European policy-related documents between 1995 and 2018. *Innovation: The European Journal of Social Science Research*, 35(2). <https://doi.org/10.1080/13511610.2021.1909464>
- Merino, M., Ivanova, Y., Maravilla-Herrera, P., Barragán, B., Sierra, J., Peñuelas-Saiz, Á., & Hidalgo-Vega, Á. (2022). Optimising the management of patients with multiple myeloma in Spain: A measurement of the social return on investment. *European Journal of Cancer Care*, 31(6). <https://doi.org/10.1111/ecc.13706>
- Merino, M., Jiménez, M., Manito, N., Casariego, E., Ivanova, Y., González-Domínguez, A., San Saturnino, M., Hidalgo-Vega, Á., & Blanch, C. (2020). The social return on investment of a new approach to heart failure in the Spanish National Health System. *ESC Heart Failure*, 7(1). <https://doi.org/10.1002/ehf2.12535>
- Moral Torres, E., Fernández Fernández, Ó., Carrascal Rueda, P., Ruiz-Beato, E., Estella Pérez, E., Manzanares Estrada, R., Gómez-García, T., Jiménez, M., Hidalgo-Vega, Á., & Merino, M. (2020). Social value of a set of proposals for the ideal approach of multiple sclerosis within the Spanish National Health System: A social return on investment study. *BMC Health Services Research*, 20(1). <https://doi.org/10.1186/s12913-020-4946-8>
- Muttaqin, M. Z. (2022). Social value in public policy. *Critical Policy Studies*, 16(4). <https://doi.org/10.1080/19460171.2022.2064320>
- Nachum, L. (2021). Value distribution and markets for social justice in global value chains: Interdependence relationships and government policy. *Journal of International Business Policy*, 4(4). <https://doi.org/10.1057/s42214-021-00105-w>
- Načisčionis, J., & Urmonas, A. (2021). Administrative law in the sphere of public policy upon restoration of independence of Latvia and Lithuania. *Public Policy and Administration*, 20(1). <https://doi.org/10.5755/j01.ppaa.20.1.27712>
- Nielsen, J. G., Lueg, R., & van Liempd, D. (2021). Challenges and boundaries in implementing social return on investment: An inquiry into its situational appropriateness. *Nonprofit Management and Leadership*, 31(3). <https://doi.org/10.1002/nml.21439>

- Nusapati, A. I., Bahri, E. S., & Bayinah, A. N. (2020). The Measurement of Social Value Impact of Ziswaf Using Social Return on Investment Model at Smart Ekselensia Indonesia. *Al-Iqtishad : Jurnal Ilmu Ekonomi Syariah*, 12(1).
- Oliveira, T. C. de, Carneiro-da-Cunha, J. A., Colagrai, A. C., Ferreira, M. P., & Mazieri, M. R. (2023). Organizational policies as a means of sharing sports values among athletes: the role of social capital. *Journal of Strategy and Management* 17(3). <https://doi.org/10.1108/JSMA-03-2022-0045>
- Oosterhoff, M., van Schayck, O. C. P., Bartelink, N. H. M., Bosma, H., Willeboordse, M., Winkens, B., & Joore, M. A. (2020). The Short-Term Value of the “Healthy Primary School of the Future” Initiative: A Social Return on Investment Analysis. *Frontiers in Public Health*, 8(3). <https://doi.org/10.3389/fpubh.2020.00401>
- Raiden, A., & King, A. (2023). Added value and numerical measurement of social value: a critical enquiry. *Buildings and Cities*, 4(1). <https://doi.org/10.5334/bc.330>
- Regan, P. (2021). Legislating Privacy: Technology, Social Values, and Public Policy. In *The Handbook of Privacy Studies*, 48(6). <https://doi.org/10.1017/9789048540136.003>
- Scharlach, R., Hallinan, B., & Shifman, L. (2023). Governing principles: Articulating values in social media platform policies. *New Media and Society*, 26(11). <https://doi.org/10.1177/14614448231156580>
- Severino-González, P., Villalobos-Antúnez, J. V., Durán-Jara, D., & Martí-Noguera, J. J. (2022). Social responsibility and educational policies: Challenges for values education. *Revista Venezolana de Gerencia*, 27(8). <https://doi.org/10.52080/rvgluz.27.8.24>
- Skinner, A., Hartfiel, N., Lynch, M., Jones, A. W., & Edwards, R. T. (2023). Social Return on Investment of Social Prescribing via a Diabetes Technician for Preventing Type 2 Diabetes Progression. *International Journal of Environmental Research and Public Health*, 20(12). <https://doi.org/10.3390/ijerph20126074>
- Stielke, A., Ashton, K., Cotter-Roberts, A., & Dyakova, M. (2023). The social return on investment of physical activity and nutrition interventions—a scoping review. In *Frontiers in Sports and Active Living* (Vol. 5). <https://doi.org/10.3389/fspor.2023.1296407>
- Talboom-Kamp, E., Ketelaar, P., & Versluis, A. (2021). A national program to support self-management for patients with a chronic condition in primary care: A social return on investment analysis. *Clinical EHealth*, 4(2). <https://doi.org/10.1016/j.ceh.2021.02.001>

- Tate, C., O'Neill, C., Tran, N., Heron, L., Kee, F., Tully, M. A., Dallat, M., & Hunter, R. F. (2023). The social return on investment of an urban regeneration project using real-world data: the Connswater Community Greenway, Belfast, UK. *Cities and Health*, 7(5). <https://doi.org/10.1080/23748834.2023.2211226>
- Tisnawati, D., Hidayat, Moh. T., & Permana, I. (2022). Public Value Cash Social Assistance Policy for the Impact of Covid-19 in Jatiwangi District, Majalengka Regency. *Ijd-Demos*, 4(1). <https://doi.org/10.37950/ijd.v4i1.201>
- Vluggen, R., Kuijpers, R., Semeijn, J., & Gelderman, C. J. (2020). Social return on investment in the public sector. *Journal of Public Procurement*, 20(3). <https://doi.org/10.1108/JOPP-06-2018-0023>
- Wagenaar, P., Rodenberg, J., & Rutgers, M. (2023). The crowding out of social values: on the reasons why social values so consistently lose out to other values in heritage management. *International Journal of Heritage Studies*, 29(8). <https://doi.org/10.1080/13527258.2023.2220322>
- Wester, J. (2023). Public perception of an important urban estuary: Values, attitudes, and policy support in the Biscayne Bay-Miami Social Ecological System. *PLoS ONE*, 18(10 October). <https://doi.org/10.1371/journal.pone.0287930>