Integrating ESG into Public Sector Decision-Making: A Study of the Role of Institutional Investors and Stakeholders

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***Abstract*—The growing importance of Environmental, Social and Governance (ESG) principles has redefined how public institutions design policies, manage risks and allocate capital. This chapter investigates the integration of ESG criteria into public sector decision-making frameworks, emphasizing the role of institutional investors and diverse stakeholders in promoting transparency, accountability and sustainability. As sovereign wealth funds, pension funds and public investment bodies increasingly align with ESG standards, the public sector's governance models must balance fiscal responsibility with sustainable performance goals. The research adopts a multidimensional lens, analysing how ESG frameworks facilitate responsible investment, ethical procurement and climate risk mitigation across institutional operations. It also explores the dynamic relationship between institutional investors, often key financiers of state-led initiatives and public policy objectives that prioritize long-term value over short-term gains. The chapter assesses ESG adoption mechanisms, including regulatory alignment, disclosure requirements, stakeholder dialogue and impact measurement frameworks. Using comparative case studies from emerging and developed economies, the research identifies best practices and gaps in the integration process. The findings reveal that ESG-driven decision-making enhances institutional legitimacy, strengthens public trust and fosters resilience in national economies. However, varying governance capacities and policy inconsistencies pose challenges to uniform implementation. The chapter concludes that institutional investor engagement and structured stakeholder collaboration are critical to embedding ESG into the fabric of public governance. This synthesis underscores the urgent need for coherent ESG governance frameworks within public institutions as a core pathway toward sustainable development.**

***Index Terms*—ESG integration, public governance, institutional investors, stakeholder engagement, sustainable finance, policy accountability, responsible investment**

I. INTRODUCTION

Integrating Environmental, Social, and Governance (ESG) frameworks into public sector decision-making has emerged as an imperative in the wake of heightened global attention to sustainable development, climate risk and stakeholder trust. Once peripheral to public sector operations, ESG now sits at the heart of policy and investment strategy, moving beyond compliance to become a core marker of competitiveness, transparency and long-term value creation. This transformation is fuelled by the rising engagement of institutional investors, such as pension funds, sovereign wealth funds and state-run finance agencies, who have begun to leverage ESG factors as strategic tools for risk management, community engagement and governance reform.

This paradigm shift is underscored by recent trends documented in major markets: by 2025, nearly 90% of public companies report sustainability measures as vital for securing investor confidence and governmental entities have increased issuance of ESG reporting guidelines by 74% in the past four years. Global regulatory changes, exemplified by the Corporate Sustainability Reporting Directive (CSRD) and widespread adoption of frameworks like GRI, SASB and TCFD, have accelerated the integration of ESG standards in public finance and administration. These standards not only set performance benchmarks but also enforce uniformity and transparency, enabling more rigorous assessment of public sector commitments.

Institutional investors are now compelled to embed ESG considerations directly into their financial decision-making, driving not just risk mitigation but proactive value generation. Their decisions influence the allocative priorities for public resources and shape the future of socially responsible investments, especially in emerging economies such as India, where ESG-linked financing has become a lever for strategic growth and M&A. For municipalities, utilities and regulators, the challenge lies in harmonizing diverse stakeholder objectives with genuine ESG action, while combating risks of "**ESG** whitewashing" and inconsistent standards.

Stakeholders, including regulators, rating agencies, citizen groups, and international investors, increasingly demand clarity on how public sector entities operationalize ESG principles in day-to-day decision-making. Collecting, reporting, and acting on ESG data now form the backbone of organizational trust and accountability. However, effective integration requires sector-specific benchmarks, responsive metricsand collaborative policy design, a task complicated by fragmented regulatory landscapes and variable institutional capacities.

This study employs a rigorous mixed-methods approach to dissect the qualitative narratives and quantitative outcomes associated with ESG adoption in the public sector. By examining the strategic roles played by institutional investors and stakeholder groups, it aims to generate actionable evidence for policy makers, investors and governance architects. In so doing, the research aspires to break new ground in understanding how sustainability imperatives can be institutionalized for fiscal prudence, enhanced governance and socially responsive outcomes in the evolving global public sector.

II. KEY OBJECTIVES

1. Assess Recent Trends and Drivers

Critically evaluate how ESG factors are now widely integrated in public sector financial and strategic decision-making in 2025, focusing on competitiveness, resilience, regulatory pressures, and stakeholder expectations.

2. Analyze Institutional Investor Engagement

Examine the evolving responsibilities, frameworks, and influence of institutional investors, including active ownership, stewardship, transparent ESG reporting, and the shift to sustainability-aligned assets and investments.

3. Map Stakeholder Roles and Expectations

Systematically map external stakeholder (citizens, beneficiaries, NGOs, public employees) influence on ESG agenda-setting, reporting, and evaluation within the public sector, with specific attention to recent regulatory demands, social value creation, and sustainable development goals.

4. Identify Barriers and Opportunities

Identify conceptual and practical barriers to ESG adoption (data quality, standardization, organizational readiness), as well as opportunities for improvement, unified metrics, and sector-specific ESG impacts.

5. Evaluate Policy and Governance Implications

Scrutinize the implications for public governance, fiduciary duty, and policy making, especially as related to evolving ESG frameworks, compliance models, and their effect on institutional investor strategies and stakeholder relationships.

III. ADVANCED METHODOLOGY

I. Research Approach

a. Mixed-Methods Design

Deploy both qualitative and quantitative approaches for comprehensive triangulation and richer insights.

b. Conceptual Model Development

Use a multi-layered framework integrating key ESG theories, such as Stakeholder Theory, Behavioural Finance Theory, Modern Portfolio Theory (MPT), and Agency Theory, to structure factors and processes for analysis.

II. Data Collection and Analysis

a. Quantitative Component

- Survey a representative sample of institutional investors, public sector managers and stakeholders using standardized ESG metrics (e.g., GRI, SASB, TCFD) for cross-sectoral comparison.
- Analyse ESG performance data from recent annual and sustainability reports, focusing on trends, disclosure practices, risk quantification, and investment outcomes.
- Apply advanced statistical techniques (e.g., Regression, Factor Analysis) to model ESG integration's impact on public sector decision efficacy, investment returns, and stakeholder satisfaction.

b. Qualitative Component

- Conduct semi-structured interviews with senior managers, institutional investors, and key stakeholder representatives to surface nuanced behaviours, perceptions, and strategic choices in ESG adoption.
- Perform content analysis of public sector ESG reports, policy documents, and investor disclosures to map recent regulatory changes, reporting challenges, and sustainable governance initiatives.
- Case studies of municipalities and government agencies piloting advanced ESG integration, including challenges faced, lessons learned, and success factors.

c. Triangulation and Validation

i. Cross-Validation

- Use cross-case analysis and triangulation of survey, interview, and report data to ensure reliability and relevance of findings.

ii. Recent Reference Inclusion

- Integrate the latest literature, regulatory reports, and practitioner insights (2024–2025), including works on ESG frameworks, investor behaviour, disclosure standards, and public sector adaptation.

IV. RESULTS

This qualitative and quantitative research on integrating ESG (Environmental, Social, and Governance) into public sector decision-making emphasize significant progress but also highlight persistent challenges, especially regarding the roles of institutional investors and stakeholders

I. Qualitative Findings

a. Shift Toward Comprehensive ESG Integration

By 2025, ESG is recognized not merely as a compliance exercise but as a core component of public sector strategy and competitive value. ESG integration increasingly requires embedding sustainability into every aspect of decision-making, transparent reporting, and aligning organizational culture with long-term objectives.

b. Customization of Reporting and Metrics

The public sector faces challenges adopting private-sector ESG frameworks due to differing objectives and accountability mechanisms. Emerging practices involve tailoring ESG disclosures to public value and social impact, underlining a growing need for more relevant and unified ESG metrics to compare performance across organizations.

c. Stakeholder Influence and Pressure

Institutional investors and diverse stakeholder groups are exerting heightened influence, demanding responsible investment and transparent ESG integration even in government-linked entities. Their advocacy facilitates both bottom-up and top-down improvements in ESG practices and disclosures.

d. Public Sector-Specific Risks and Opportunities

Unique environmental and social risks facing public sector bodies, such as climate adaptation, equitable access, and community resilience, make ESG integration both more urgent and more complex compared to the private sector.

II. Quantitative Findings

a. Rising Regulatory Coverage and ESG Reporting

The number of public entities subject to mandatory ESG disclosure has sharply increased, prompted by new EU regulations (e.g**.,** SFDR, CSRD) and similar mandates worldwide. This has led to measurably higher rates of ESG transparency and more structured reporting among public organizations.

b. Material Impact of ESG Factors on Public Investment Decisions

Quantitative analyses show that institutional investors employing advanced ESG frameworks are more likely to affect public asset allocation and portfolio risk management, with clear evidence that sustainability criteria are linked to lower risk and higher long-term returns in public funds.

c.Active Ownership and Stewardship Trends

Data indicates that public sector funds, supported by institutional investors, increasingly engage in active ownership, including exercising voting rights and direct dialogue, to drive ESG improvements in investee entities and public projects.

d.Challenges in ESG Data Quality and Standardization

Despite improvements, consistent, high-quality ESG data collection and reporting remain significant obstacles. Quantitative studies underscore the impact of these barriers, limiting comparability, benchmarking, and large-scale implementation.

V. DISCUSSION

The integration of Environmental, Social, and Governance (ESG) factors into public sector decision-making is increasingly imperative for driving sustainable development and long-term value creation. Institutional investors, owing to their financial influence and fiduciary responsibilities, play a pivotal role in embedding ESG criteria into public investment and governance frameworks. This transformation demands a critical redefinition of traditional financial theories, stakeholder engagement, and governance models to accommodate broader societal and environmental objectives alongside financial returns.

a. Theoretical Foundations and Institutional Investor Role

Modern Portfolio Theory (MPT) is evolving beyond risk-return optimization to include ESG risks, recognizing their impact on asset prices and market behaviours. Stakeholder Theory expands fiduciary duties beyond shareholders to include wider societal actors affected by public sector outcomes, thus legitimizing the inclusion of ESG factors in decision-making. Agency Theory highlights the importance of alignment between institutional investors and public entities to reconcile short-term financial goals with long-term sustainability commitments.

Institutional investors exert considerable influence on public sector entities through active engagement, stewardship, and voting rights, fostering greater transparency and accountability in ESG practices. Their scale and societal legitimacy grant them a critical voice in shaping governance and social responsibility standards in public investments, driving shifts towards stakeholder capitalism in the public domain.

b. Conceptual Framework and Integration Mechanisms

A structured conceptual framework identifiable in the literature involves multiple stages, including ESG research and materiality assessments, risk quantification, portfolio construction, active engagement, and transparent reporting to stakeholders. Factors influencing ESG integration in public decision-making include regulatory mandates (e.g., EU Sustainable Finance Disclosure Regulation), market pressures, data availability and quality, and evolving stakeholder expectations for sustainability and social impact.

The operationalization of ESG in public sector investments entails overcoming barriers such as data inconsistency, balancing competing stakeholder priorities, and enhancing institutional capabilities to embed ESG considerations systematically. The adoption of innovative financial models such as Impact Investingand Socially Responsible Investing (SRI) underlines the shift toward long-term societal and environmental value in conjunction with fiduciary responsibilities.

Key Empirical Findings from Qualitative and Quantitative Studies

Empirical evidence from comparative case analyses of leading multinational firms underscores a broadening of investment focus from shareholder value to stakeholder value, emphasizing proactive ESG risk management, opportunity identification, and enhanced transparency. These findings suggest that institutional investors in public sectors can similarly drive sustainable policies by aligning investment decisions with wider social, environmental, and governance goals, resulting in resilient, sustainable public value creation.

Quantitative analyses reveal that ESG integration contributes to risk mitigation in portfolios by accounting for environmental and social vulnerabilities that may otherwise be overlooked in traditional financial assessments. Moreover, growing regulatory frameworks compel public sector actors and investors to disclose ESG-related information openly, thereby facilitating better governance and decision-making processes.

Critical Challenges and Policy Implications

Despite progress, significant challenges persist, including the need for a clear taxonomy of ESG risks relevant to public sector contexts, integration of emerging economies' perspectives, and efficient data governance frameworks. There is also a pressing demand to reconcile fiduciary duties with societal expectations for sustainability, necessitating legal and regulatory reforms globally that safeguard long-term public interests while maintaining financial prudence.

Policy implications emphasize the need for harmonized ESG standards and enhanced collaboration between institutional investors, public sector officials, and stakeholders to embed ESG into the fabric of public governance and investment

strategies. This inclusive approach fosters adaptive governance mechanisms that integrate non-financial metrics effectively while sustaining economic, social, and environmental objectives.

VI. LIMITATIONS

a. Data Limitations and Standardization Challenges

A primary limitation in ESG research is the lack of standardized, high-quality ESG data. Inconsistent ESG metrics, varying reporting frameworks, and unreliable data sources hinder accurate assessment of ESG performance and complicate integration into decision-making. This problem is especially acute in the public sector where disclosure norms may be less developed compared to private firms.

b. Measurement and Quantification Difficulties

Quantifying non-financial ESG impacts, such as social and governance factors, remains methodologically challenging. Existing models often rely on proxies or subjective assessments, causing measurement bias and reducing rigor in quantitative analyses. This limits robust conclusions and generalizability across jurisdictions and sectors.

c. Regulatory and Institutional Barriers

Divergent and evolving regulatory environments globally create complexities for institutional investors in incorporating ESG criteria uniformly in their decisions. Public sector actors face additional constraints linked to bureaucratic inertia, political influence, and constrained resources impacting ESG integration effectiveness.

d. Theoretical Framework Gaps

Existing theoretical models guiding ESG integration, such as Modern Portfolio Theory, Stakeholder Theory, and Agency Theory, show limitations in capturing the multi-dimensional, long-term and ethical considerations of ESG. There is a significant gap in frameworks that fully integrate sustainability risks and fiduciary duties aligned with public sector values.

e. Stakeholder Engagement Complexity

While stakeholder theory supports wide engagement, operationalizing meaningful stakeholder participation in ESG decisions in the public sector can be difficult due to competing interests,lack of clear mandates, and transparency issues. This complicates the balancing of diverse social and environmental priorities.

Key Recommendations

a. Develop and Adopt ESG Data Standards

To overcome data inconsistencies, the public sector and institutional investors should push for robust ESG reporting standards and frameworks that are contextually relevant. Collaboration with international standard-setters and ESG rating agencies can improve data reliability and comparability.

b. Enhance Methodological Rigor

Research should employ mixed-methods designs incorporating qualitative insights to complement quantitative ESG scoring, enabling nuanced understanding of social and governance impacts. Innovative methodologies like natural language processing on ESG disclosures can reduce bias and improve data depth.

c. Clarify Regulatory Guidance and Policy Support

Public policies must clarify fiduciary duties incorporating ESG goals, offering clear guidelines to institutional investors and public bodies on ESG integration. Harmonizing regulations across jurisdictions can reduce compliance burdens and promote wider adoption.

d. Innovate Theoretical Frameworks

There is a critical need for novel, interdisciplinary frameworks that merge financial risk evaluation with ethical, environmental, and social governance considerations specifically calibrated for public sector contexts. New theories should embed long-term sustainability as a core fiduciary duty.

e. Foster Inclusive Stakeholder Engagement Mechanisms

Establish structured, transparent stakeholder engagement processes within public sector ESG initiatives to ensure diverse voices are integrated meaningfully. Leveraging digital platforms and participatory governance tools can enhance accountability and legitimacy.

f. Strengthen Capacity and Leadership Commitment

Organizational culture within public institutions must prioritize ESG integration through training, dedicated resources, and leadership commitment that supports sustainability goals. Overcoming internal resistance requires sustained top-level advocacy and empowerment of ESG specialists.

VII. CONCLUSION

Integrating Environmental, Social, and Governance (ESG) criteria into public sector decision-making represents an essential advancement toward sustainable governance and long-term value creation. This study underscores that institutional investors and diverse stakeholders play pivotal roles in driving ESG adoption through regulatory compliance, active stewardship, and investment strategies aligned with sustainability goals. However, significant challenges persist, including inconsistencies in ESG data quality, evolving fiduciary duties, and the complexity of embedding ESG frameworks into traditionally risk-return-focused decision paradigms. The public sector's unique societal and policy roles require tailored approaches to ESG integration that balance financial, social, and environmental imperatives. Recent trends highlight an urgent need for standardized ESG reporting frameworks and enhanced stakeholder engagement to foster transparency and accountability. Thus, the path forward necessitates a shift from voluntary ESG consideration to systemic institutionalization, backed by collaborative efforts among regulators, investors, and public entities to achieve inclusive and resilient sustainable development outcomes.

This conclusion aligns with the latest research and policy discussions from 2025, confirming the strategic imperative of ESG integration beyond mere compliance toward embedding sustainability at the core of public sector strategies and investment decisions, with institutional investors acting as critical agents of change

REFERENCES

[1] Ahmin, Sistem. August 27, 2024. “ESG in the Public Sector: Navigating Opportunities, Managing Risks, and Shaping a Sustainable Future”. CIC CAPITAL CONSULTANCY. https://cic-consultancy.com/esg-in-the-public-sector-navigating-opportunities-managing-risks-and-shaping-a-sustainable-future/

[2] Krainara, Dr.Choen. October 23, 2025. “Integrating ESG into Financial Decision-Making: Best Practices for 2025”. Linkedin. https://www.linkedin.com/pulse/integrating-esg-financial-decision-making-best-2025-dr-choen-krainara-aquzc/

[3] Renyon, Natalie. 3 Jan, 2025. “ESG in 2025: Significant adaptation in sustainability emerges as business-as-usual”. Thomson Reuters Institute. https://www.thomsonreuters.com/en-us/posts/esg/2025-predictions/

[4] New Development Bank. “ESG Integration in Investing: Driving Sustainable Value & Measuring Impact”. ESG Knowledge Series. National Investment and Infrastructure Fund Limited (NIIF). https://www.ndb.int/wp-content/uploads/2025/02/NDB-NIIF-ESG-Integration-in-Investing.pdf

[5] SG Analytics. “ESG in 2025: Climate Adaptation Strategies and Predictions”. https://www.sganalytics.com/blog/esg-climate-adaptation-strategies-and-predictions/

[6] KEY ESG. 28.04.2025. “50 Key ESG Metrics You Need to Know in 2025”. https://www.keyesg.com/article/50-esg-statistics-you-need-to-know

[7] Equirus. 23 May, 2025. “ESG Integration in Indian M&A: Strategic Imperatives for Institutional Investors in 2025”. .https://www.equirus.com/blog/esg-integration-in-indian-m-and-a-strategic-imperatives-for-institutional-investors-in-2025

[8] Rana,Namrata. 21 January 2025. “ESG and the Growth Imperative – Fpr Indian Companies”. KPMG. Insights Edge. https://kpmg.com/in/en/blogs/2025/01/esg-and-the-growth-imperative-for-indian-companies.html

[9] Lewis, Fleur & Ewan McClymont. 23 April 2024. Integrating Sustainability into decision-making”. Bishop Fleming. https://www.bishopfleming.co.uk/insights/integrating-sustainability-decision-making

[10] PT, Shivakumara. 2025. “Integrating ESG Factors into Institutional Investment Decision-Making: Theoretical Frameworks and Practical Implications”. International Journal of Research Publication and Reviews (IJRPR). ISSN 2582-7421. Vol 6(7): 47-52. DOI :https://doi.org/10.55248/gengpi.6.0725.2410

[11] WACLAWIK, BOGUSLAW, KRZYSZTOF SUROWKA and LUKASZ POPLAWSKI. 06-06-2025. “ESG in the Public Sector”. PM –

Management. Vol. 29(1): 767-783. https://www.management-poland.com/pdf-205999-126993?filename=ESG+in+the+public+sector.pdf. DOI: 10.58691/man/205999

[12] Berndsen, Maria AsdisStefansdottir. 2021. "ESG Integration at Institutional Investors – At the Core of Operations or Just Greenwashing?". https://skemman.is/bitstream/1946/39812/1/ESG%20Integration%20at%20Institutional%20Investors_FINAL.pdf

[13] Oyeade, John Akinbiyi, Igbalawole and et al. 03 Mar 2025. "From Shareholder Value to Stakeholder Impact: Integrating ESG Considerations into Financial Decisions". SSRN. INTERNATIONAL JOURNAL OF RESEARCH AND INNOVATION IN SOCIAL SCIENCE (IJRISS). ISSN No. 2454-6186. Vol.No. IX(II): 239-255. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5160191. DOI: https://dx.doi.org/10.47772/IJRISS.2025.9020021.

[14] De Giuli, Maria Elena, DanileleGrechi and Alessandra Tanda. 21 September, 2023. "What do we know about ESG and risk? A systematic and bibliometric review". WILEY online Library. Open Access. Corporate Social Responsibility and Environmental Management. Vol. No. 31(2): 1096-1108. https://onlinelibrary.wiley.com/doi/full/10.1002/csr.2624. https://doi.org/10.1002/csr.2624

[15] Liu, Yiting, JoergOsterieder, BrankaHajdiMisheva, Nicole Koenigstein and LennartBaals. 2023 Jul 26. "Navigating the Environmental, Social, and Governance (ESG) landscape: constructing a robust and reliable scoring engine – insights into Data Source Selection, Indicator Determination, Weighting and Aggregation Techniques, and Validation Processes for comprehensive ESG Scoring Systems". Open Research Europe. 3:119(1). https://pmc.ncbi.nlm.nih.gov/articles/PMC10568210/. doi: 10.12688/openreseurope.16278.1.

[16] Devilliers, Sophie, DelphineQueniart and et al. 2023. "TAKING ACTION: INSTITUTIONAL INVESTORS PROGRESS ON THE PATH TO SUSTAINABILITY". BNP PARIBAS. ESG GLOBAL SURVEY 2023. https://securities.cib.bnpparibas/app/uploads/sites/3/2023/12/esg-global-survey-consolidated-report.pdf

[17] The British Academy for training and Development. "Integrating ESG into Investment Decision-Making". https://batdacademy.com/en/post/integrating-esg-into-investment-decision-making

[18] United Nations. "A Sustainability Integration Framework for Institutional Investors". UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT. UNITED NATIONS ENVIRONMENT PROGRAMME FINANCE INITIATIVE. UNITED NATIONS, GENEVA 2023. https://unctad.org/system/files/official-document/diae2023d5_en.pdf