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THE STRATEGIC OPENNESS INDEX (SOI) AS A TOOL FOR ENHANCING THE QUALITY OF STRATEGIC DECISION-MAKING IN JOINT-STOCK COMPANIES

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Abstract. *This paper introduces the Strategic Openness Index (SOI) — a novel evaluative mechanism designed to measure and improve the quality of strategic decision-making in joint-stock companies. The index is built upon three core pillars: transparency, accountability, and stakeholder inclusivity. Using international evidence and empirical testing in the context of Uzbekistan, the study demonstrates that companies with higher SOI scores exhibit significantly better valuation indicators (Tobin's Q), reduced strategic risks, and increased investor confidence. This approach advances the governance-performance paradigm by shifting focus from formal decision outcomes to the inclusivity and openness of decision-making processes.*

Keywords*: Strategic Openness Index (SOI), Corporate Governance, Strategic Decision-Making, Transparency, Stakeholder Theory, Tobin's Q, Uzbekistan, Joint-Stock Companies*

Introduction

In the evolving landscape of modern corporate governance, the quality of strategic decisions is increasingly viewed not only through the lens of profitability or short-term shareholder returns, but through the transparency, inclusivity, and openness of the decision-making process. As businesses operate in more complex, dynamic, and stakeholder-sensitive environments, strategic governance has become central to firm legitimacy, risk perception, and long-term capital value.

Globally, strategic openness is now considered a key pillar of good governance. According to the World Economic Forum (WEF, 2022), transparent decision-making and stakeholder-inclusive planning are directly linked to higher investor confidence and institutional trust. In fact, the United Nations Global Compact's 2022 Corporate Index found that companies with high strategic openness scores — defined as SOI ≥ 70% — were valued 25–30% higher in global capital markets. These firms also showed stronger alignment with SDG targets (particularly SDG 16 on peace, justice and strong institutions, and SDG 17 on partnerships for the goals), making them more attractive to impact-driven and ESG-focused investors.

International investment firms and credit rating agencies have begun incorporating governance process metrics — such as board-level strategic disclosures and participatory policy frameworks — into their rating systems. For instance, MSCI ESG Ratings (2023) and Sustainalytics have introduced indicators on strategic transparency and stakeholder dialogue to evaluate firms' governance maturity. As a result, companies with participatory strategic planning processes are now favored in global portfolios, particularly in ESG-linked investment vehicles and sustainable finance markets.

At the policy level, several advanced economies have institutionalized strategic openness requirements. Canada and the Netherlands, for example, require listed firms to publish detailed stakeholder engagement processes and strategic decision-making rationales as part of their annual ESG filings. This not only improves transparency and accountability, but also acts as a risk-mitigating mechanism for investors and regulators alike.

However, in Uzbekistan, this governance dimension remains significantly underdeveloped. According to the Ministry of Finance's 2023 analytical report, approximately:

- 75% of joint-stock companies do not disclose strategic decisions in advance,
- Stakeholder engagement is minimal or nonexistent during strategic planning cycles,
- Strategic statements are often formal, inconsistent, or outdated, and rarely evaluated for implementation effectiveness.

Such practices severely impair public legitimacy, limit long-term planning efficiency, and diminish the country's attractiveness to foreign institutional investors. These limitations are particularly problematic in the context of Uzbekistan's ongoing privatization, capital market liberalization, and its aspirations to position itself as a regional investment hub in Central Asia.

Moreover, the absence of strategic openness leads to heightened information asymmetry, increased perception of political and operational risks, and a growing trust deficit between firms and stakeholders. For large public-private partnership projects, infrastructure investments, or IPOs, this can result in capital flight, underpricing, or failed partnerships.

In this context, the development and implementation of the Strategic Openness Index (SOI) becomes a necessary reform instrument — not only for improving internal governance quality but also for enhancing investor communication, strategic transparency, and national ESG alignment. By measuring the openness, transparency, and inclusiveness of strategic decision-making processes, SOI empowers firms to self-assess and elevate their governance credibility while providing regulators and rating agencies with a standardized benchmark.

This paper aims to:

1. Conceptualize and structure the Strategic Openness Index (SOI) as a governance-based performance metric;
2. Empirically test the impact of SOI on firm valuation using Tobin's Q as a proxy;
3. Explore its applicability for corporate reform, investment readiness, and public trust enhancement in the Uzbek context.

In doing so, the research contributes to the global discourse on decision-process governance, fills a gap in local governance practice, and proposes a scalable model aligned with international ESG and SDG frameworks.

Literature Review

In recent decades, corporate governance research has increasingly shifted from focusing solely on structural variables (such as board composition or audit committees) toward understanding the quality and transparency of strategic processes. Within this paradigm, the openness of strategic decision-making has emerged as a critical determinant of legitimacy, investor trust, and long-term firm performance.

According to Freeman (1984), the foundation of effective strategic governance lies in the inclusion of multiple stakeholder groups during decision-making. The stakeholder theory suggests that organizations that engage employees, investors, customers, and society at large are more likely to develop sustainable and resilient strategies. Empirical studies (e.g., Deloitte, 2021) confirm that companies practicing inclusive governance reduce their strategic failure rates by as much as 40%.

Information asymmetry theory (Akerlof, 1970) adds another layer of relevance by highlighting how incomplete or selective information dissemination can result in suboptimal market decisions. In financial markets, such asymmetry can lead to valuation gaps, mistrust, and capital withdrawal. To counter this, modern governance indices — including ESG scoring systems — now incorporate dimensions of strategic transparency, signaling governance quality to investors.

Global institutions have begun to formalize these concepts. The World Economic Forum (2022) and OECD (2023) have both recommended integrating strategic disclosure practices into corporate governance benchmarks. The United Nations Global Compact (UNGC), through its SDG Index, particularly emphasizes SDG 16 and 17, which advocate for transparency, inclusive institutions, and public-private collaboration.

Practically, many countries have institutionalized strategic openness as a governance standard. For instance, in Canada, listed companies are required to publish stakeholder-inclusive planning frameworks; in the Netherlands, corporate boards are evaluated based on the rationale and openness behind strategic choices.

Despite global advances, strategic openness in Uzbekistan remains fragmented. The Ministry of Finance (2023) reports that:

- 75% of joint-stock companies do not publicly release strategic plans;
- Stakeholder participation in corporate planning is rare;
- Annual strategy statements, where present, are mostly formal and non-substantive.

These shortcomings call for a standardized framework — such as the Strategic Openness Index (SOI) — to guide companies, enable investor evaluation, and inform policymaking. The literature confirms that strategic openness is no longer optional; it is a measurable, high-impact variable that must be embedded into corporate governance systems.

Methodology

This study follows a quantitative research approach to develop and empirically validate the Strategic Openness Index (SOI) as an evaluative governance metric. The methodology combines theory-driven index construction with regression analysis to examine SOI's relationship with capital valuation, using Tobin's Q as a proxy.

The study is grounded in two theoretical pillars:

Stakeholder Theory (Freeman, 1984): Argues that the legitimacy of strategy lies in the participatory engagement of all affected stakeholders, including employees, regulators, shareholders, and communities.

Information Asymmetry Theory (Akerlof, 1970): Suggests that firms withholding strategic information create decision-making gaps that harm investor confidence and reduce firm value.

The Strategic Openness Index (SOI) is designed as a multidimensional construct reflecting the transparency, accountability, and inclusivity of a firm's strategic decision-making process.

SOI scores are derived across three dimensions, totaling 100 points:

Component	Max Score	Example Indicators
Transparency	35	Public disclosure of goals, risk factors, strategic KPIs
Accountability	35	Strategy rationale, execution audits, board approvals
Inclusivity	30	Stakeholder consultations, employee surveys, public forums

SOI scores are interpreted as follows:

- Low (0–39%): Closed governance, minimal disclosure or consultation
- Moderate (40–69%): Formal openness, limited inclusiveness
- High (70–100%): Transparent, participatory, and evidence-based strategy formulation

This structure was modeled on international standards, including those from MSCI ESG Ratings, the OECD Corporate Governance Principles, and the UN Global Compact SDG indicators.

To test the relationship between SOI and capital value, the following regression equation was used:

$$\text{Tobin's Q} = \beta_0 + \beta_1 \cdot SOI + \varepsilon$$

Where:

- Tobin's Q: Ratio of market value to the replacement value of company assets (used as a valuation proxy);
- SOI: The strategic openness index score (0–100);
- ε: Error term capturing unexplained variance.

The core hypothesis is that SOI has a statistically significant and positive effect on Tobin's Q, with every 10-point increase in SOI expected to raise Tobin's Q by 0.15–0.20 units (as supported by prior findings from Deloitte, 2021).

A sample of 10 joint-stock companies in Uzbekistan was selected, representing various sectors:

- Finance: Kapitalbank, Asaka Bank
- Energy: Lukoil Uzbekistan
- Telecom: Uztelecom
- FMCG/Industry: Coca-Cola Uzbekistan, UzAuto Motors

Data was gathered from:

- Company websites and investor relations sections,
- Annual ESG and governance disclosures (2020–2023),
- Public records, press releases, and stakeholder reports,

– Expert validation through interviews and surveys (where possible).

SOI scores were assigned through a content analysis checklist aligned with global disclosure and transparency benchmarks.

Results

The empirical analysis was conducted on a sample of 10 Uzbek joint-stock companies, selected from finance, energy, telecom, and industry sectors. SOI scores were compiled through open-source reports, corporate disclosures, and stakeholder interviews.

Table 1: SOI and Tobin’s Q for Selected Uzbek Joint-Stock Companies

No.	Company	SOI Score	Tobin’s Q
1	Kapitalbank	82	2.011
2	Asaka Bank	75	1.873
3	Lukoil Uzbekistan	38	1.267
4	Uztelecom	88	2.144
5	Coca-Cola Uzbekistan	91	2.142
6	UzAuto Motors	41	1.292
7	Agrobank	73	1.890
8	Orient Finans Bank	36	1.237
9	Uzkimyosanoat	55	1.523
10	Navoiy MMC	85	2.063

Table 2. Regression Output

Coefficient	Value	Std. Error	t-Statistic	p-value
Intercept	0.6044	0.024	25.08	< 0.001
SOI	0.0172	0.0003	49.54	< 0.001

– $R^2 = 0.997$ and Adjusted $R^2 = 0.996$, indicating that 99.6% of the variance in Tobin’s Q is explained by the SOI.
– The p-value for SOI is < 0.001, confirming a highly significant relationship.
– The F-statistic = 2454 ($p \approx 3.05e\text{-}11$) strongly validates the model.

$$\text{Tobin's Q} = 0.604 + 0.0172 \cdot \text{SOI} + \varepsilon$$

Figure 1. SOI vs Tobin’s Q (Scatter Plot)

A clear positive correlation indicates that strategic openness enhances capital valuation.

The regression analysis reveals a clear and statistically significant relationship between the Strategic Openness Index (SOI) and Tobin's Q, with a coefficient of +0.0172. This means that each 1-point increase in SOI is associated with a 0.0172-point increase in Tobin's Q, holding other factors constant. In practical terms, a 10-point improvement in SOI corresponds to a 0.172-point increase in the firm's market valuation, providing strong empirical support for the hypothesis that strategic openness enhances capital value.

The data further show that firms with high SOI scores above 80 — including Coca-Cola Uzbekistan, Uztelecom, and Navoiy MMC — consistently achieved Tobin's Q values above 2.0, indicating robust investor confidence and superior market performance. In contrast, firms with low SOI scores below 40, such as Orient Finans Bank and Lukoil Uzbekistan, recorded Tobin's Q values well below 1.5, reflecting weaker valuation outcomes. These differences highlight the tangible impact of transparent and inclusive strategic governance on firm performance in capital markets.

The accompanying scatter plot visually confirms the statistical findings. A strong and linear positive relationship is observed between SOI and Tobin's Q, with minimal dispersion around the regression line, indicating low residual variance. Furthermore, the plot shows a clear clustering of firms with higher SOI scores at higher valuation levels, reinforcing the argument that companies demonstrating greater openness, stakeholder inclusion, and strategic accountability tend to be more favorably evaluated by the market.

Discussion

The results of this study provide compelling evidence that the Strategic Openness Index (SOI) is a powerful predictor of firm valuation in the context of emerging capital markets such as Uzbekistan. The highly significant and positive relationship between SOI and Tobin's Q confirms that firms demonstrating greater openness, transparency, and stakeholder engagement in strategic decision-making processes are rewarded with higher market trust and stronger capital value.

This finding supports and extends key theoretical frameworks. First, it affirms Stakeholder Theory (*Freeman, 1984*) by illustrating that inclusive governance — where internal and external actors have meaningful influence over strategic direction — yields tangible performance benefits. Second, the results align with Information Asymmetry Theory (*Akerlof, 1970*), indicating that when firms reduce strategic opacity and proactively share rationale, risks, and goals, they minimize valuation uncertainty and signal long-term stability to investors.

From a global perspective, the implications are increasingly salient. In developed markets, strategic transparency has already become a formal component of ESG metrics, integrated into the OECD Corporate Governance Principles, MSCI ESG Ratings, and UN SDG Progress Indexes. For example, firms scoring high in stakeholder dialogue and decision openness in Canada, the Netherlands, and Singapore have seen faster capital appreciation, improved sovereign ratings, and greater access to ESG-linked financing (WEF, 2022).

In Uzbekistan, by contrast, strategic decision-making processes remain predominantly centralized, undocumented, and non-participatory. According to the Ministry of Finance (2023), more than 75% of joint-stock companies do not publicly disclose strategic decisions, and stakeholder engagement mechanisms are either absent or purely symbolic. These deficiencies create an atmosphere of distrust, discourage long-term investment, and limit access to international capital.

The findings of this study show that even within this challenging environment, firms that have begun adopting elements of strategic openness — such as Coca-Cola Uzbekistan, Kapitalbank, and Uztelecom — are seeing markedly better market valuation outcomes, with Tobin's Q scores consistently exceeding 2.0. This validates the SOI model as a useful reform instrument that can simultaneously guide corporate transformation and inform public policy.

Furthermore, the visual analysis confirms the consistency and predictive reliability of SOI. The tight clustering around the regression line suggests not only a statistically valid relationship, but also a practically replicable framework for companies seeking to improve governance quality and capital performance.

The introduction of SOI holds major potential for Uzbekistan's ongoing corporate governance and investment reforms. By offering a standardized, quantitative, and internationally aligned metric, SOI can serve multiple strategic functions:

– As a self-assessment tool for joint-stock companies aiming to elevate their ESG and IPO readiness,
– As a compliance benchmark for state-owned enterprises under privatization,
– And as a regulatory metric for agencies such as the Capital Market Development Agency and the State Asset Management Agency.

Moreover, linking SOI performance to incentives — such as tax breaks, green finance access, or governance awards — could accelerate its adoption while promoting a culture of strategic accountability.

Conclusion

This study has introduced, conceptualized, and empirically validated the Strategic Openness Index (SOI) as a robust governance metric capable of enhancing the quality of strategic decision-making and improving firm valuation in joint-stock companies. The research demonstrates that strategic openness — as measured by transparency, accountability, and stakeholder inclusion — is not merely a normative ideal, but a quantifiable and value-creating asset.

The regression analysis confirmed a strong and statistically significant relationship between SOI and Tobin's Q, with a 99.6% explanatory power. Every 10-point increase in SOI score was associated with a 0.17-point rise in Tobin's Q, highlighting the direct and measurable contribution of open governance to market value. Companies with high SOI scores (above 80) outperformed peers with low strategic transparency, further supporting the case for integrating SOI into corporate reform agendas.

These findings are especially relevant in Uzbekistan, where governance modernization remains a critical national priority. As the country deepens its capital market reforms and expands private sector involvement through IPOs and privatization, the ability to assess and improve the strategic governance of firms will be vital for attracting investment, reducing risk, and fostering public trust.

Based on the study's findings and international governance trends, the following policy measures are proposed:

1. The SOI should be formally adopted by Uzbekistan’s Capital Market Development Agency and Ministry of Finance as part of corporate governance evaluation frameworks. It can be integrated into ESG assessments, IPO readiness criteria, and corporate reporting standards.
2. Require all publicly listed and state-owned companies to publish annual strategic plans, including stakeholder engagement outcomes, decision rationales, and risk disclosures — aligned with SOI indicators.
3. Create a system of incentives where high-performing companies (SOI ≥ 70) receive preferential access to state tenders, green finance schemes, export credits, or tax benefits. This would motivate firms to adopt participatory and transparent governance voluntarily.
4. Establish a publicly accessible platform that publishes SOI scores for all joint-stock companies. Annual recognition such as “Top Strategically Open Company” could promote a culture of healthy competition and public accountability.
5. Encourage business schools, audit institutions, and professional associations to include SOI-based training in board governance programs. External audit checklists should also assess SOI dimensions as part of governance quality assurance.
6. Implement SOI-based evaluation in strategic SOEs undergoing transformation or public offering. These pilots can serve as reference models for broader adoption across the private sector.

In conclusion, the Strategic Openness Index (SOI) is more than just a governance measurement tool — it is a transformational mechanism that empowers companies to align decision-making with transparency, legitimacy, and stakeholder trust. Its adoption in Uzbekistan would not only elevate internal governance standards but also signal to global markets that the country is committed to modern, accountable, and inclusive corporate practices. In doing so, SOI supports national goals for investment growth, public confidence, and international credibility.

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