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Journal of Economics and Business
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Driving Tax Administration Excellence: An Innovative Balanced Scorecard Perspective

Panagiotis Asimakopoulos

Ph.D., Athens University of Economics and Business, Greece.
Email: asimakop@aueb.gr

Abstract

The Balanced Scorecard (BSC) approach has been widely accepted as a very comprehensive framework for performance measurement. Despite extensive applications in private sector organizations, its adaptation to public sector entities, particularly tax administrations, remains limited. The aim of this paper is to contribute to the literature with the application of Balance Scorecard tailored for Tax Administrations. This paper proposes an augmented Balanced Scorecard model specifically tailored for tax administrations, reinterpreting the traditional four perspectives-Financial, Customer, Internal Process, and Learning and Growth-into dimensions that address the unique strategic and operational challenges faced by tax authorities. The proposed framework comprises Tax Revenue Efficiency and Collection, Operational Capacity and Compliance Management, Taxpayer Service Experience, and Learning and Growth. This model aims to facilitate improved strategic alignment, performance management, and organizational learning in tax administrations. While empirical validation remains outstanding, the paper offers a theoretically grounded foundation to support future research and practical implementation within the public fiscal governance domain.

JEL Classification: M10, M1, M19
Keywords: Balanced Scorecard, performance measurement, Tax Administration, Public Sector

1. Introduction

Performance management constitutes a critical mechanism for realizing the strategic objectives of organizations, regardless of sectoral context. In public sector organizations, including tax administrations, the development of robust performance measurement systems is particularly vital for enhancing operational effectiveness, ensuring accountability, and improving stakeholder satisfaction. Although the Balanced Scorecard (BSC) methodology has been extensively explored in private, profit-driven enterprises, its systematic adaptation to public sector entities, and tax administrations in particular, remains underdeveloped. This paper seeks to bridge this gap by proposing a bespoke, augmented Balanced Scorecard framework for tax administrations that integrates sector-specific strategic priorities and performance imperatives. Building on Kaplan and Norton’s work (1992, 1996, 2001), the framework reconceptualizes the classic BSC perspectives into dimensions reflecting the complex demands of contemporary tax administration: Tax Revenue Efficiency and Collection; Operational Capacity and Compliance Management; Taxpayer Service

Experience; and Learning and Growth. This approach acknowledges the essential role of tax administration performance in supporting fiscal sustainability, compliance enforcement, and taxpayer trust within macroeconomic frameworks. Thus, this paper addresses the research gap concerning balance scorecard applied to tax administration and highlight the need a tailored, "augmented" BSC model. This comprehensive approach ensures that modern tax administration within the framework of increasing complexity and importance of effective performance management should consider various factors contributing to long-term success and strategic management. The paper addresses a well-established gap in the performance management literature regarding the application of the BSC in public institutions, especially in the domain of tax administration. It highlights the institutional specificity and strategic challenges faced by tax agencies, while offering a conceptual framework that can serve as a foundation for future empirical work. This is a timely topic given the increasing demand for efficiency, transparency, and stakeholder engagement in public revenue systems.[1] As far as the structure of the paper is concerned, this paper is developed as follows. In Section 2 we present the literature review concerning Balance Scorecard, then in Section 3 we present the augmented model and Section 4 concludes and provides further remarks.

2. Literature Review

Kaplan and Norton's Balanced Scorecard introduced a multidimensional approach to performance measurement by complementing financial metrics with customer, internal process, and learning and growth perspectives. This framework links performance metrics to organizational strategy through a cause-and-effect logic, thereby facilitating strategic alignment and operational clarity (Kaplan & Norton, 1992; 1996; 2001). The BSC's adoption in public sector organizations has been comparatively tentative, largely due to the multiplicity of goals, complex stakeholder environments, and challenges in defining meaningful non-financial performance measures (Pidd, 2005; Radnor & Lovell, 2003). Nevertheless, proponents argue that the BSC's adaptability renders it suitable for enhancing transparency, accountability, and strategic focus in government agencies (Kaplan & Norton, 2001; Niven, 2002). Empirical studies specifically addressing tax administrations remain scarce, though broader public sector research underscores the importance of balancing financial stewardship with service quality and institutional learning (Greatbanks & Tapp, 2007; Moullin, 2017).

The present study contributes to this emerging field by articulating an augmented BSC model tailored to the distinctive operational and strategic landscape of tax authorities, thus advancing both theoretical understanding and practical application. Therefore, the application of Balanced Scorecard (BSC) which is based on a cause-and-effect relationship, linking interdependent processes to vision and strategy, such as non-financial aspects (customer, internal process, employee and system performance) revolutionize how organizations measure performance and implement successful and differentiated strategies by considering historical accuracy of financial measures with critical elements of future performance ((Brignall (2002) , Inamdar and Kaplan, (2002), Ittner and Larcker (2003), Nørreklit (2003), Davis and Albright (2004)). By understanding the organization's strategy, employees are likely to unfold many of their hidden organizational abilities by knowing its course and the way in which they can help achieve the vision, prepare for the future challenges and ensure their strategies remain relevant, robust and practical. Since its introduction the balanced scorecard (BSC) has been widely accepted as a useful performance management and measurement tool (Kald and Nilsson (2000), Malmi (2001), Brignall, (2002)). It is rather

[1] For a new benchmark for evidence-based, legislative mapping,growth-oriented tax reform in Greece see Asimakopoulos (2025a,2025b,2025c).

conceivable though that BSC's performance management approach appears consistent with the aims of most profit seeking organizations in order to fulfill financial and strategic objectives. However, Kaplan and Norton (2001) and Niven (2002) suggest BSC can be readily adapted and adjusted for use in public sector organizations as a measurement performance tool enhancing transparency, accountability and responsibility to main stakeholders (Kaplan and Norton, 1992). Thus, relevant literature supports the BSC utility in the public sector organization (Forgione, (1997); Aidemark, (2001), Bilkhu-Thompson, (2003), Speckbacher et al., (2003)) despite the complex operations, strategic orientation identification of a limited number of KPIs implementation (Chow et al., 1998). However, there is skepticism and reservations regarding efficacy of implementation and causal relationship of BSC into complex public sector contexts (Pidd (2005)). As much of the literature of BSC concerns profit seeking companies (Hoque and James (2000), Ahn (2001), Williams, (2001) Lipe and Salterio, (2002),Davis and Albright (2004)) few studies have examined how the recalibration of the standard BSC model applied to public sector performance management (Radnor and Lovell, (2003),Chan, (2004),Yeung and Connell, (2006), Greatbanks and Tapp, (2007), Moullin (2017)) which takes into accounts wider stakeholders' interest and non-financial performance measures. Fewer authors then have examined this issue within public sector organization especially within tax administration and provide with augmented specific theoretical model which is the contribution issue of this paper. This model provides with a robust linkage between formal strategy setup and causal relationship between strategic objectives and complex internal processes.

3. Comparative Analysis of Balanced Scorecard Contributions and our Proposed Augmented Framework of BSC

The Balanced Scorecard (BSC) framework has evolved significantly since its inception by Kaplan and Norton (1992, 1996, 2001), who originally designed it for corporate strategy focusing on four core perspectives: Financial, Customer, Internal Processes, and Learning & Growth. While their model revolutionized performance measurement in profit-driven organizations, it lacks direct applicability to public governance and fiscal accountability. In contrast, our research preserves this foundational structure but skillfully adapts it to address tax administration-specific outcomes, integrating macroeconomic policy concerns and the demands of public finance accountability. Thus, our framework provides with conceptual bridge between the public management literature and strategic performance theory. Niven (2002) extended the BSC concept to nonprofit organizations, introducing a stakeholder-centric approach. However, this adaptation remains too generic to meet the unique operational complexities of government agencies. In contrast our model, focusing exclusively on tax administrations, delivers a specialized and pragmatic framework tailored for modern ministries that seek to enhance digital governance in taxation. Within the public healthcare sector, Aidemark (2001) applied the BSC to hospital settings, illuminating implementation challenges. Though sector-specific, this work does not scale easily to the fiscal domain. On the other hand, our research addresses the increased complexity of tax compliance, enforcement, and the provision of e-services, thus aligning closely with the digital transformation currently reshaping tax authorities worldwide. Speckbacher et al. (2003) offered a descriptive analysis of BSC alignment in private German firms, emphasizing strategy maps and KPI integration. Their model, however, is less adaptable to public systems that are not revenue-driven. Our paper foregrounds the alignment of KPIs with social and fiscal objectives, positioning his framework for future integration with emerging priorities such as environmental, social, and governance (ESG) criteria and the adoption of artificial intelligence in tax reforms. Greatbanks and Tapp (2007) demonstrated improvements in municipal performance via the BSC in New Zealand local government, but their model lacks a focus on national fiscal performance and strategic tax policy. In contrast the proposed model advances this by introducing tax-specific design and national-level fiscal KPIs, making his model better suited for Ministries of Finance committed to comprehensive tax modernization programs. Radnor and Lovell (2003) investigated the complexities of BSC implementation in UK National Health Service and multi-agency public organizations. Their focus on healthcare and multi-agency networks differs from the hierarchical and centralized structure of revenue authorities while our model aligns well with the clear accountability and hierarchical governance typical of tax administrations, facilitating smoother implementation. Yeung and Connell (2006) studied BSC success factors in small nonprofit organizations in Hong Kong, yet their framework does not incorporate enforcement, compliance, or service delivery challenges characteristic of tax authorities. By addressing legal enforcement, taxpayer trust, and fiscal risk management, we offer a framework well-prepared for future demands, including enhanced performance audits, transparency mandates, and digital service KPIs. In the public projects, Chan (2004) proposed KPIs for construction project success but limited his analysis to finite, project-based performance rather than ongoing institutional governance. However, our framework, by contrast, scales to continuous strategy reviews and real-time analytics dashboards suitable for enduring institutional performance management. Healthcare-focused studies by Chow et al. (1998) and Forgione (1997) integrated quality and service KPIs into BSC designs but lacked connection to financial or fiscal governance. Our model, explicitly links revenue collection performance with taxpayer service quality and staff development, providing actionable tools for long-term e-governance and smart tax administration reforms.

Moullin (2017) developed a Public Sector Scorecard diverging somewhat from traditional BSC principles and not universally adopted. Our framework maintains the familiarity and robustness of the original BSC while extending its applicability to fiscal systems, facilitating easier adoption in countries with prior exposure to BSC methodologies. Studies by Hoque and James (2000) and Davis and Albright (2004) demonstrated BSC's impact on firm performance and financial outcomes but did not address public sector complexities or citizen-centric impacts. In contrast our research emphasizes the critical importance of public trust and compliance over profit, providing a performance measurement framework that aligns with evolving notions of tax legitimacy and citizen engagement. Pidd (2005) offered a critical view of public sector performance measurement, highlighting risks of perverse incentives but stopping short of proposing remedies. On the other hand, our model incorporates balanced KPIs and internal controls designed to mitigate such risks, embedding training and organizational culture development into the performance management system. Finally, the OECD (2024) provides extensive cross-country tax administration benchmarks but remains largely descriptive and lacks a unifying strategic framework. Our research builds an augmented Balanced Scorecard around OECD indicators, linking these to strategic objectives and organizational learning, thereby presenting a future-proof model compatible with international tax transparency frameworks and modern governance demands. In summary, our framework offers a uniquely specialized, strategically aligned, and operationally feasible Balanced Scorecard model for tax administrations. By integrating lessons from prior BSC adaptations and addressing public sector-specific challenges—particularly digital transformation, compliance risk, taxpayer service, and organizational learning—our model is well-positioned to meet the evolving needs of tax authorities worldwide and to support long-term fiscal sustainability and public trust.

4. The Model for Tax Administrations

The Balanced Scorecard framework proposed in this study is designed to align operational measurement with the strategic priorities of tax administrations. Each dimension corresponds to core objectives widely recognized in the public administration and fiscal governance literature. Specifically, the dimension of Tax Revenue Efficiency and Collection reflects the goal of ensuring stable and sustainable funding for public expenditure while maintaining equity and efficiency in tax collection (OECD, 2024). Operational Capacity and Compliance Management addresses the necessity of building institutional capabilities and strengthening enforcement mechanisms to uphold compliance and reduce the tax gap (Bird & Zolt, 2008). The Taxpayer Services Experience dimension supports the broader objective of enhancing trust in tax authorities by improving the quality, accessibility, and responsiveness of services provided to citizens (Braithwaite, 2005; Moore, 1995). Finally, Learning and Growth is linked to the imperative of continuous improvement, organizational learning, and capacity development, which are essential for adapting to policy changes and technological advancements (Senge, 1990; Pollitt & Bouckaert, 2017). Together, these components create an integrated model that not only monitors performance but also reinforces strategic alignment between day-to-day operations and long-term public value creation.

To strengthen the theoretical underpinnings of the framework, it is important to clarify the causal pathways through which Balanced Scorecard implementation can influence organizational outcomes in public sector tax administrations. Specifically, performance measurement systems can function as instruments of strategic clarity by making objectives explicit, communicating expectations across hierarchical levels, and aligning individual and collective behaviors with institutional priorities (Kaplan & Norton, 2001; Pollitt, 2013). This strategic alignment is theorized to reduce ambiguity and foster a shared understanding of goals, which in turn supports more consistent and effective operational practices (Moynihan, 2008). In the context of tax administration, clear articulation of performance expectations is particularly relevant for enhancing compliance outcomes, as it reinforces accountability mechanisms and incentivizes adherence to standardized processes (Braithwaite, 2005). Moreover, by integrating dimensions such as taxpayer services and learning capacity, the framework bridges classical public management concerns—such as legitimacy, responsiveness, and institutional trust (Moore, 1995)-with contemporary strategic performance theory that emphasizes continuous improvement and adaptive capacity (Senge, 1990). This conceptual integration highlights how the Balanced Scorecard does not merely track performance ex post, but also operates as an active governance tool that can shape organizational culture, influence frontline behaviors, and ultimately contribute to more effective and credible tax administration.

Tax Revenue Efficiency and Collection: Stakeholder Perspectives

The primary objective of tax administration performance is the timely and effective collection of taxes to finance public services, support broader macroeconomic goals, and ensure fiscal sustainability (Bird & Zolt, 2008; Keen & Mintz, 2004). Achieving this objective requires streamlined revenue collection systems, robust withholding mechanisms, and the facilitation of digital payment channels (OECD, 2024). Moreover, establishing efficient, taxpayer-oriented debt collection functions is essential to optimize revenue outcomes. Advanced analytics, proactive debt intervention strategies, enforcement measures, and specialized debt management initiatives collectively contribute to these goals (Slemrod & Weber, 2012). The creation of dedicated debt collection units equipped with appropriate performance measures enables tax administrations to safeguard societal welfare by minimizing outstanding tax liabilities (Alm, 2019).

Operational Capacity and Compliance Management: Core Competencies

The expanding scope and complexity of tax administrative processes significantly influence how tax functions operate (Bird, 2015). Key operational capabilities include effective taxpayer registration and identification systems, integration of governmental databases, user-friendly electronic channels for e-filing and payments, and efforts to reduce compliance burdens—especially for business taxpayers (OECD, 2024; Kleven et al., 2011). Effective compliance risk management, including minimizing tax gaps and resolving disputes, remains a cornerstone of operational excellence (Slemrod, 2007). This is supported by systematic tax gap measurements, targeted audits, the implementation of e-invoicing, and leveraging third-party data sources within a robust legal framework (Alm, 2019; OECD, 2024). Furthermore, the application of big data analytics and artificial intelligence offers new frontiers for identifying compliance risks and enhancing enforcement efficiency (Jenkins, 2020). Given the increasing complexity of business and tax environments, tailored organizational initiatives and risk management techniques are vital to uphold the integrity and reliability of tax systems (Bird & Zolt, 2008). Forward-looking risk analysis and forecasting facilitate proactive strategy development to mitigate future compliance challenges (Slemrod & Weber, 2012). Additionally, tax administrations increasingly deploy indicators to measure voluntary compliance and employ data analytics alongside administrative sanctions to strengthen tax certainty (OECD, 2024).

Learning and Growth: Continuous Improvement and Value Creation

Modern tax administrations operate within institutional governance frameworks characterized by strategic and operational planning, budget and expenditure management, and autonomous control mechanisms subject to parliamentary oversight and national audit functions (Bird, 2015). Effective personnel management—encompassing recruitment, professional development, and remuneration—combined with advanced information technology infrastructure, fosters efficient operations and establishes conditions for sustained value creation (Jenkins, 2020). These governance and management processes underpin organizational adaptability and the capacity for continuous improvement in service delivery and operational performance (OECD, 2024).

Taxpayer Service Experience: Perceptions and Trust

The quality of interactions between tax administrations and taxpayers significantly influences voluntary compliance and overall service satisfaction (Alm, 2019). Technology-enabled service delivery enhances efficiency and accessibility, thereby improving the taxpayer experience (Kleven et al., 2011). Providing tailored service packages that address taxpayer needs fosters greater stakeholder satisfaction, which, in turn, cultivates increased participation, taxpayer trust, and confidence in the tax system (Bird & Zolt, 2008). Strengthening these relationships is critical to sustaining compliance and achieving long-term fiscal objectives (Slemrod & Weber, 2012).

Figure 1: Visual Representation of the of the new BSC Model

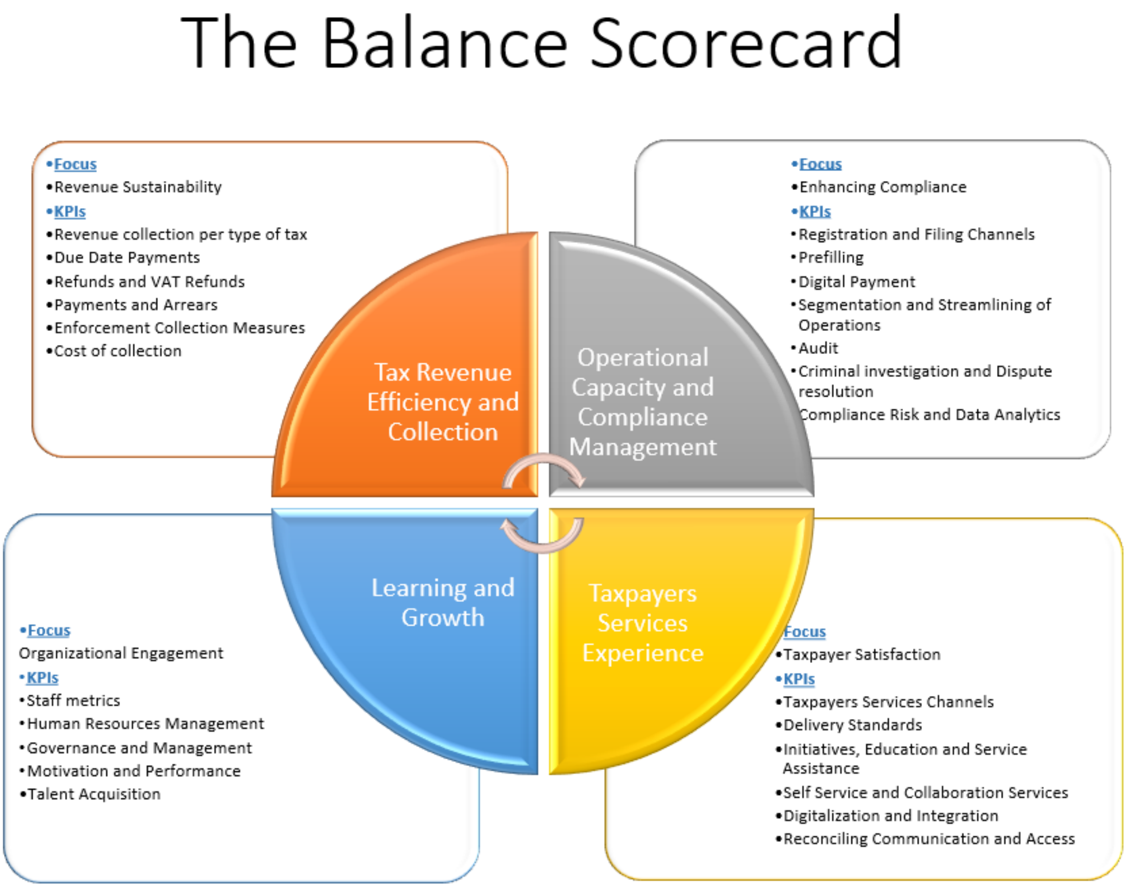

Table 1: BSC for Tax Administration[2]

Perspectives	Objective	Where to focus
Tax Revenue Efficiency and Collection	Revenue Sustainability	Revenue collection per type of tax Due Date Payments Refunds and VAT Refunds Payments and Arrears Enforcement Collection Measures Cost of collection
Operational Capacity and Compliance Management	Enhancing Compliance	Registration and Filing Channels Prefilling Digital Payment Segmentation and Streamlining of Operations Audit Criminal investigation and Dispute resolution Compliance Risk Management and Data Analytics
Taxpayers Services Experience	Taxpayer Satisfaction	Taxpayers Services Channels Delivery Standards Initiatives, Education and Service Assistance Self Service and Collaboration Services Digitalization and Integration Reconciling Communication and Access
Learning and Growth	Organizational Engagement	Staff metrics (KPIs to evaluate an employee's effectiveness, efficiency) Human Resources Management Governance and Management Motivation and Performance Talent Acquisition

[2] Based on information and tables in OECD (2024), *Tax Administration 2024: Comparative Information on OECD and other Advanced and Emerging Economies*, OECD Publishing, Paris, https://doi.org/10.1787/2d5fba9c-en. See also Asimakopoulos (2025d).

5. Empirical Contextualization: Illustrative OECD Data and Comparative Case Summaries

To further illustrate the practical relevance of the proposed Balanced Scorecard framework, it is useful to draw on empirical examples and comparative insights from OECD member countries. For instance, several tax administrations, such as the Swedish Tax Agency and the Australian Taxation Office, have adopted integrated performance frameworks that combine revenue metrics with taxpayer service indicators and internal learning dimensions (OECD, 2019). In Sweden, operational capacity and compliance management are systematically tracked through measures such as audit coverage ratios and the timeliness of case resolution, while taxpayer experience is monitored via regular satisfaction surveys and digital service adoption rates. Similarly, Australia's strategy emphasizes public trust and voluntary compliance, supported by transparent reporting of enforcement outcomes and investment in staff development. These examples demonstrate how aligning strategic objectives with performance indicators can strengthen organizational credibility and effectiveness. Incorporating such stylized illustrations reinforces the argument that a multidimensional Balanced Scorecard approach can help tax administrations navigate the complex trade-offs between revenue collection, service quality, and institutional capacity. While a comprehensive empirical evaluation of the proposed model remains an avenue for future research, these comparative cases highlight the feasibility and value of implementing similar frameworks in diverse administrative settings.

While this paper offers a conceptual framework intended to advance strategic performance management in tax administrations, it is important to acknowledge several limitations inherent in its design. First, the absence of empirical validation means that the model's effectiveness and relevance in practice remain untested; future studies will need to assess its predictive validity and operational impact using longitudinal performance data. Second, cross-country comparability poses a notable challenge, as tax administrations differ considerably in institutional maturity, legal mandates, data infrastructure, and cultural expectations regarding compliance and service delivery. These differences complicate the standardization and benchmarking of key performance indicators (KPIs), potentially limiting the generalizability of the framework. Third, the operationalization of some proposed measures—particularly those related to taxpayer trust, digital adoption, and learning capacity—may face constraints in data availability or definitional clarity, especially in jurisdictions with limited reporting systems. Finally, while the framework is structured to support strategic alignment and performance transparency, its practical feasibility will depend on organizational commitment, resources, and the capability to embed performance management processes into existing governance structures. These considerations underscore the need for cautious interpretation and iterative refinement through empirical pilot studies and comparative evaluations across diverse administrative contexts. Empirical applications of multidimensional performance frameworks in tax administrations remain limited but illustrative examples demonstrate the feasibility of Balanced Scorecard–inspired approaches. The Australian Taxation Office has adopted a structured set of performance indicators that align strategic objectives such as voluntary compliance, service excellence, and internal capability development, documented in successive Annual Performance Statements (Australian Taxation Office, 2023). Similarly, the Swedish Tax Agency integrates compliance metrics, taxpayer satisfaction surveys, and operational efficiency measures into its reporting system (OECD, 2019). Complementary frameworks in the US Internal Revenue Service and World Bank–supported reforms in Georgia and Rwanda also illustrate the value of performance dashboards combining fiscal outcomes, service quality, and organizational learning. These examples suggest that while empirical validation of Balanced Scorecard models in tax administrations is still emerging, comparable structures have been applied successfully in diverse jurisdictions.

6. Limitations of Applying the Balanced Scorecard in Tax Administration

Implementing the Balanced Scorecard (BSC) framework within tax administration agencies presents notable challenges stemming from institutional, legal, and cultural constraints inherent in public sector environments. Tax administrations typically operate within complex bureaucratic structures characterized by multiple hierarchical layers and fragmented authority, which often complicate the clear alignment of strategic objectives and accountability measures that the BSC demands (Kaplan & Norton, 1996; Bourne et al., 2000). Divergent priorities between political leadership, administrative management, and frontline tax officials can result in inconsistent adoption or superficial compliance with performance frameworks, undermining the intended integrative effect of the BSC (Meyer, (2004); Speckbacher, (2003)).

Moreover, stringent legal and regulatory frameworks governing tax administration impose further limitations. Budgetary constraints, strict procurement rules, and compliance requirements restrict flexibility in resource allocation and innovation, hindering the capacity to implement strategic initiatives linked to the BSC (Van Dooren et al., (2010); Bourne et al., (2013)). Transparency obligations and public accountability, while essential, often add layers of reporting complexity that constrain the selection and communication of performance indicators. This can lead to a preference for easily measurable process metrics rather than outcome-focused measures that better capture the effectiveness of tax policy enforcement and revenue mobilization (Poister, 2003; Pollitt & Bouckaert, 2011).

Culturally, tax administrations may exhibit risk-averse attitudes and resistance to change, with entrenched practices favoring procedural compliance over performance-driven management (Moore, 1995; Behn, 2003). The absence of competitive market pressures reduces incentives for innovation and continuous improvement, making it challenging to foster the cultural shift required for successful BSC adoption (Kloot & Martin, (2000)). Additionally, diverse stakeholder expectations—ranging from political actors to taxpayers and international partners—complicate consensus on strategic priorities and success criteria (Bouckaert & Halligan, 2008). Communication barriers and varying degrees of familiarity with performance management concepts within tax agencies further impede the effective institutionalization of the BSC framework (Melkers & Willoughby, 2005).

These institutional, legal, and cultural constraints underscore the necessity for carefully adapted BSC implementations within tax administration, emphasizing stakeholder engagement, incremental change management, and contextualized performance measures that reflect the unique operating environment of public tax authorities.

7. Conclusions and Further Remarks

From our analysis it is obvious that modern tax administrations are undergoing major reforms regarding their business models, which is to adhere to governance arrangements, check and balances so as to ensure operational efficiency, transparency and robust overall management of tax system and tax revenue collection sustainability. The establishment of reliable strategic framework enhance enhancing stakeholder’s confidence and trust in tax administration. Also, the identification of key variable for taxpayer’s satisfaction so as to meet taxpayer service preferences is critical not only for tax operations but also in minimization of non-compliance effects. Moreover, the effective management of compliance risk and the reported information are vital for the integrity of the tax system. Effective people management is top priority issue for positive organizational culture and well-functioning tax operations. While a full empirical evaluation may be outside the paper's scope, to validate the proposed Balanced Scorecard framework within a tax administration context, a mixed-methods approach is proposed. Empirical data will be collected through structured surveys targeting key stakeholders within tax authorities, including managers, compliance officers, and service delivery personnel. Quantitative responses will be analyzed using factor analysis to confirm the dimensional structure of the model and ensure construct validity. Regression techniques will be employed to examine the relationship between strategic scorecard dimensions and operational performance indicators such as collection efficiency, taxpayer satisfaction, and compliance rates. Where feasible, longitudinal administrative data will be used to assess trends before and after implementation, supplemented by benchmarking against international standards (e.g., OECD indicators). To enhance interpretive depth, selected findings will be triangulated with administrative records and qualitative insights drawn from structured interviews and focus groups. Another important issue is to incorporate emerging business trend in strategic management process such as data-driven decision-making (AI, machine learning, predictive analytics and digital transformation), apply agile and flexible business strategies as well risk management processes and integrate of environmental, social, and governance (ESG) metrics into the Balanced Scorecard. Under this context the proposed model is contributed further as a decision-making tool applied for tax administration purposes. A significant limitation is the scarcity of robust empirical studies that validate the statistical reliability and interpretability of key performance indicators within the context of tax administration. Future research should focus on developing and testing standardized methodologies for KPI selection, measurement, and reporting. Moreover, it is critical to say leadership and top management commitment as well organizational culture support and employee engagement enhances and provide the appropriate business wise performance management framework. In the same context critical success factors such as management engagement on performance excellence, effective organizational strategy setting, a simple but holistic SBC approach, adequate training and motivation facilitates proper identification of KPIs, valid stakeholder analysis and quality benchmarking process and reporting provide the new environment of application of new public management of accountability and effectiveness.

References

Ahn, H. (2001). Applying the Balanced Scorecard Concept: An Experience Report. Long Range Planning, 34(4), 441–461.

Aidemark, L. G. (2001). The meaning of balanced scorecards in the health care organization. *Financial Accountability and Management*, 17(1), 23–40.

Alm, J. (2019). *Tax Compliance and Administration* (pp. 741–768). Routledge.

Asimakopoulos, P. (2025a). Evolution of Greek Tax System, Journal of Economics and Econometrics, Economics and Econometrics Society, 2025, vol. 68(3), pages 101-116.

Asimakopoulos, P. (2025b). Macroeconomic Impact of Tax Changes, The case of Greece from 1974 to 2018, Journal of Economics and Econometrics, Economics and Econometrics Society, 2025, vol. 68(2), pages 45-68.

Asimakopoulos, P. (2025c). Greek tax policy and macroeconomic framework after the political transition, a systematic approach, Theoretical and Applied Economics, 2025, vol. 0(2(643), S), pages 261-280, Summer.

Asimakopoulos, P. (2025d). Measure What Matters, A Balance Scorecard for Tax Administrations. Global Journal of Accounting and Economy Research. 6(1), 63-72.

Australian Taxation Office. (2023). Annual Performance Statement. Canberra: Commonwealth of Australia.

Behn, R. D. (2003). Why measure performance? Different purposes require different measures. Public Administration Review, 63(5), 586–606.

Bilkhu-Thompson, M. K. (2003). A process evaluation of a health care balanced scorecard. Journal of Health Care Finance, 30(2), 37–64.

Bird, R. M. (2015). Tax administration reform in developing countries. *Public Budgeting & Finance*, 35(4), 75–90.

Bird, R. M., & Zolt, E. M. (2008). Tax policy in developing countries: Looking back and forward. *National Tax Journal*, 61(2), 279–301.

Bird, R. M., & Zolt, E. M. (2008). Tax policy in emerging countries. Environment and Planning C: Government and Policy, 26(1), 73–86.

Bouckaert, G., & Halligan, J. (2008). Managing performance: International comparisons. Routledge.

Bourne, M., Neely, A., Mills, J., & Platts, K. (2000). Designing, implementing and updating performance measurement systems. International Journal of Operations & Production Management, 20(7), 754–771.

Bourne, M., Pavlov, A., Franco-Santos, M., Lucianetti, L., & Mura, M. (2013). Generating organizational performance: The contributing effects of performance measurement and human resource management practices. International Journal of Operations & Production Management, 33(2), 159–182.

Braithwaite, V. (2005). Responsive regulation and taxation. *Law & Policy*, 27(1), 1–11.

Brignall, S. (2002). The unbalanced scorecard: A social and environmental critique. In A. Neely, A. Walters, & R. Austin (Eds.), Performance measurement and management 2002: Research and action (pp. 85–92). Boston: Performance Management Association.

Chan, A. P. C. (2004). Key performance indicators for measuring construction success. Benchmarking: An International Journal, 11(2), 203–221.

Chow, C. W., Ganulin, D., Teknika, O., Haddad, K., & Williamson, J. (1998). The balanced scorecard: A potent tool for energizing and focusing healthcare organization management. *Journal of Healthcare Management*, 43(3), 263–280.

Davis, S., & Albright, T. (2004). An investigation of the effect of balanced scorecard implementation on financial performance. *Management Accounting Research*, 15(2), 135–153.

Forgione, D. A. (1997). Health care financial and quality measures: International call for a "balanced scorecard" approach. *Journal of Health Care Finance*, 24(1), 55–58.

Greatbanks, R., & Tapp, D. (2007). The impact of balanced scorecards in a public sector environment: Empirical evidence from Dunedin City Council, New Zealand. *International Journal of Operations & Production Management*, 27(8), 846–873.

Hoque, Z., & James, W. (2000). Linking balanced scorecard measures to size and market factors: Impact on organizational performance. *Journal of Management Accounting Research*, 12, 1–17.

Inamdar, N., & Kaplan, R. S. (2002). Applying the balanced scorecard in healthcare provider organizations. Journal of Healthcare Management, 47(3), 179–195.
Ittner, C. D., & Larcker, D. F. (2003). Coming up short on nonfinancial performance measurement. Harvard Business Review, 81(11), 88–95.
Jenkins, G. P. (2020). Big data and AI in tax administration. *Journal of Public Economics*, 187, 104222.
Kald, M., & Nilsson, F. (2000). Performance measurement at Nordic companies. European Management Journal, 18(1), 113–127.
Kaplan, R. S., & Norton, D. P. (1992). The balanced scorecard: Measures that drive performance. Harvard Business Review, 70(1), 71–79.
Kaplan, R. S., & Norton, D. P. (1996). Strategic learning: The balanced scorecard. *Strategy & Leadership*, 24(5), 18–24.
Kaplan, R. S., & Norton, D. P. (2001). *The strategy-focused organization*. Harvard Business School Press.
Keen, M., & Mintz, J. (2004). The optimal threshold for a value-added tax. *Journal of Public Economics*, 88(3-4), 559–576.
Kleven, H. J., Knudsen, M. B., Kreiner, C. T., Pedersen, S., & Saez, E. (2011). Unwilling or unable to cheat? Evidence from a tax audit experiment in Denmark. *Econometrica*, 79(3), 651–692.
Kloot, L., & Martin, J. (2000). Strategic performance management: A balanced approach to performance management issues in local government. Management Accounting Research, 11(2), 231–251.
Kwokwah Yeung, A., & Connell, J. (2006). The application of Niven's balanced scorecard in a not-for-profit organization in Hong Kong. Journal of Asia Business Studies, 1(1), 26–33.
Lipe, M. G., & Salterio, S. E. (2002). A note on the judgmental effects of the balanced scorecard's information organization. *Accounting, Organizations and Society*, 27(6), 531–540.
Malmi, T. (2001). Balanced scorecards in Finnish companies: A research note. Management Accounting Research, 12(2), 207–220.
Melkers, J., & Willoughby, K. (2005). Models of performance -measurement use in local governments: Understanding budgeting, communication, and lasting effects. Public Administration Review, 65(2), 180–190.
Meyer, M. W. (2004). Rethinking performance measurement: Beyond the balanced scorecard. Cambridge University Press.
Moore, M. H. (1995). Creating public value: Strategic management in government. Harvard University Press.
Moullin, M. (2017). Improving and evaluating performance with the public sector scorecard. *International Journal of Productivity and Performance Management*, 66(4), 442–458.
Moynihan, D. P. (2008). The dynamics of performance management: Constructing information and reform. Washington, DC: Georgetown University Press.
Niven, P. R. (2002). *Balanced scorecard step by step: Maximizing performance and maintaining results*. John Wiley & Sons.
Nørreklit, H. (2003). The balanced scorecard: What is the score? A rhetorical analysis of the balanced scorecard. Accounting, Organizations and Society, 28(6), 591–619.
OECD (2019), Tax Administration 2019: Comparative Information on OECD and other Advanced and Emerging Economies, OECD Publishing, Paris, https://doi.org/10.1787/74d162b6-en.
OECD (2024), Tax Administration 2024: Comparative Information on OECD and other Advanced and Emerging Economies, OECD Publishing, Paris, https://doi.org/10.1787/2d5fba9c-en.
Pidd, M. (2005). Perversity in public service performance measurement. *International Journal of Productivity and Performance Management*, 54(5/6), 482–493.
Poister, T. H. (2003). Measuring performance in public and nonprofit organizations. Jossey-Bass.
Pollitt, C. (2013) The Essential Public Manager: Public Policy and Management. UK: Open University Press, McGraw-Hill Education.
Pollitt, C., & Bouckaert, G. (2011). Public management reform: A comparative analysis—New public management, governance, and the Neo-Weberian state (3rd ed.). Oxford University Press.
Pollitt, C., & Bouckaert, G. (2017). *Public management reform: A comparative analysis – Into the age of austerity* (4th ed.). Oxford University Press.

Radnor, Z., & Lovell, B. (2003). Success factors for implementation of the balanced scorecard in an NHS multi-agency setting. *International Journal of Health Care Quality Assurance*, 16(2–3), 99–108.
Senge, P. M. (1990). The fifth discipline: The art and practice of the learning organization. New York: Doubleday.
Slemrod, J. (2007). Cheating ourselves: The economics of tax evasion. *Journal of Economic Perspectives*, 21(1), 25–48.
Slemrod, J., & Weber, C. (2012). Evidence of the invisible: Toward a credibility revolution in the empirical analysis of tax evasion and the informal economy. *International Tax and Public Finance*, 19(1), 25–53.
Speckbacher, G. (2003). The economics of performance management in nonprofit organizations. Nonprofit Management and Leadership, 13(3), 267–281.
Speckbacher, G., Bischof, J., & Pfeiffer, T. (2003). A descriptive analysis on the implementation of balanced scorecards in German-speaking countries. Management Accounting Research, 14(4), 361–388.
Van Dooren, W., Bouckaert, G., & Halligan, J. (2010). Performance management in the public sector. Routledge.
Williams, S. (2001). Drive your business forward with the balanced scorecard. *Management Services*, 45(6), 28–30.
World Bank. (2016). Designing a tax administration reform strategy: Technical note. Washington, DC: World Bank.
Yeung, A. K. W., & Connell, J. (2006). The application of Niven’s balanced scorecard in a not-for-profit organization in Hong Kong: What are the factors for success? *Journal of Asia Business Studies*, 1(1), 26–33.