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Integrated AI FP&A: Unlocking the Highest Stage of FP&A Maturity

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Abstract: This paper outlines a detailed roadmap for achieving the Leading stage of FP&A maturity, as defined by the FP&A Trends Group (2023), and introduces Integrated AI FP&A as its natural evolution. As organizations face accelerated decision cycles, rising operational complexity, and increasing ESG demands, traditional planning models are no longer sufficient. Enterprises require planning systems that are real-time, transparent, and continuously adaptive, capable of enabling dynamic scenario analysis, cross-functional collaboration, and strategic agility.

The proposed transformation framework is structured around six interdependent pillars: strategy alignment, governance, process redesign, modular architecture, data integration, and cultural change. Together, these enable real-time forecasting, shared forecast ownership, and convergence of ESG and financial metrics across business units.

At its core, Integrated AI FP&A is a modular, AI-enabled planning environment that extends Leading-stage capabilities into an autonomous, signal-responsive operating model. This architecture supports rolling forecasts, automatic scenario switching, and real-time planning adjustments based on live operational inputs. By embedding machine learning, API-triggered data orchestration, and ESG-calibrated forecast logic, Integrated AI FP&A transforms finance from a retrospective reporting function into a forward-looking, intelligent decision-support system. This paper presents a concrete, scalable system architecture for implementing Integrated AI FP&A at the enterprise level, bridging strategy and operations through real-time data and autonomous financial logic.

Integrated AI FP&A closes the gap between strategic objectives and operational execution, reimagining the finance function as a real-time performance command center that empowers CFOs to drive faster decisions, build resilience, and increase enterprise value.

Keywords: Integrated FP&A, AI-Governed Planning, FP&A Maturity Model, ESG-Financial Convergence, Real-Time Forecasting, Scenario-Based Planning, Forecast Automation, Strategic Finance, Machine Learning in Finance, Driver-Based Modeling

1. INTRODUCTION

Traditional FP&A approaches, anchored in static annual budgets, fragmented data, and retrospective variance reports, no longer meet the demands of the current complex business environment. Finance leaders are under increasing pressure to deliver timely insights, anticipate changes, and enable informed decision-making. Gartner's 2025 study found that a mere 3 percent of organizations have fully harmonized their strategic, operational, and financial planning processes, underscoring a widespread maturity shortfall (Gartner, 2025).

Integrated FP&A addresses this gap by replacing fragmented, finance-centric workflows with a unified planning layer that synchronizes financial, operational, and ESG data across the enterprise. This transformation requires a fundamental reconfiguration of how organizations translate strategic objectives into forecast drivers, distribute planning accountability, and integrate systems and data at scale.

Reaching a state of Integrated FP&A maturity hinges on coordinated advancement across six interdependent pillars: strategic alignment, governance, process redesign, technology architecture, data integration, and culture. Together, they enable truly dynamic, scenario-based planning that is collaborative, enterprise-wide, and directly tied to decision-making. While modern tools such as advanced forecasting engines, cloud data warehouses, orchestration platforms, and machine-learning models make this transformation feasible, the real differentiators are consistently applied assumptions, shared ownership of forecasts, and the agility to update plans in response to live business signals. In the era of big data, real-time integration and analytics are indispensable, empowering organizations to turn raw information into actionable intelligence (Ambasht, 2023).

Building on this foundation, this paper introduces Integrated AI FP&A as the next evolution in FP&A maturity's Leading stage. By embedding intelligent automation, orchestrating real-time data flows, and applying AI-driven scenario governance, Integrated AI FP&A elevates finance from a backward-looking function to a perpetually adaptive strategic engine, one that accelerates decision cycles, enables real-time course correction, and drives sustained enterprise value creation.

2. MATERIALS AND METHODOLOGY

The research is based on the analysis of seven key sources: Gartner's report on FP&A transformation (Gartner, 2025), FP&A Trends maturity model defining five stages of FP&A maturity (FP&A Trends, 2023), publications on real-time data integration and analytics (Ambasht, 2023; Hyndman & Athanasopoulos, 2018), innovation in AI-driven financial forecasting (Adelakun, 2023), and ethical and governance considerations for AI in financial services (Vuković et al., 2025; Aly et al., 2025).

The theory is based on the fact that transitioning from static budgeting to driver-based forecasting enhances decision-making by making it more responsive and accurate (Ambasht, 2023; Hyndman & Athanasopoulos, 2018). New AI forecasting engines undergo assessment based on transparency, ethics, interpretability, and data governance standards through academic and regulatory critiques (Adelakun, 2023; Vuković et al., 2025).

Four major components make up the methodology:

- Literature and report review: Processing work done by scholars and professionals on real-time data handling, forward-looking predictions, and AI-based warning systems in business setups (Ambasht, 2023; Hyndman & Athanasopoulos, 2018).

- FP&A maturity benchmarking: Assessing the five steps of FP&A growth against main points like how often it is forecasted, levels of automation, and alignment with strategy (FP&A Trends, 2023).

- Classification of data integration methods: Development of a classification framework mapping key

integration methods, such as file-based transfers, ETL pipelines, APIs, robotic process automation (RPA), and business intelligence (BI) connectors, against planning maturity stages to assess suitability and scalability (author compilation).

- Architectural and governance analysis: Review of modular architecture recommendations for FP&A platforms, including real-time data synchronization, process automation (Gartner, 2025), and AI governance standards relevant to scenario logic, forecast override controls, and ethical compliance (Aly et al., 2025; Vuković et al., 2025).

3. RESULTS AND DISCUSSION

3.1. FP&A Maturity Model and Integrated FP&A

The study (FP&A Trends, 2023) defines five progressive phases of FP&A maturity: Basic, Developing, Defined, Advanced, and Leading, based on criteria such as forecasting cadence, automation, data integration, and the strategic role of FP&A. This model provides finance teams with a practical framework for assessing their current state and designing a transformation roadmap toward more agile, data-driven, and integrated planning. The main stages of the model are presented in Table 1.

Table 1. The main stages of the model (FP&A Trends, 2023)

Stage	Description	Forecasting	Automation	Reporting	ESG Integration
Basic	Siloed, spreadsheet-based processes; no standardized templates; reactive budgeting; limited cross-functional collaboration	Annual, static	None	Manual Excel outputs	None
Developing	Tactical focus, some centralized templates, partial data standardization, finance-led with limited cross-functional input	Annual + quarterly	Low	P&L and cost center reports	Manual tagging, ESG in notes
Defined	Defined forecasting process across major functions; rolling forecast introduced; BI adoption; functional collaboration	Quarterly + rolling	Medium	Consolidated dashboards	KPI mapping; ESG tracked but not linked to decisions

	begins				
Advanced	Scenario-based planning, driver-based modeling, predictive analytics adoption, planning tech integrated with ERP/CRM	Monthly/ rolling	High	Flash + exception dashboards	Integrated ESG drivers and targets
Leading	Fully integrated planning across business domains; continuous reforecasting; real-time adjustments; aligned with enterprise strategy and ESG goals	Continuous, scenario-driven	Full	Narrative-driven reporting with alerts and signals	ESG-financial convergence; impact-modeled and tracked

The Leading stage represents the peak of this maturity curve. At this level, planning becomes continuous and scenario-driven, supported by real-time recalibration of forecasts based on operational signals. ESG metrics are fully integrated within the financial planning logic.

Organizations at this stage operate through highly collaborative and transparent planning models. Financial, operational, and strategic plans are fully integrated and supported by a centralized data infrastructure that ensures consistency, traceability, and real-time accuracy. Forecasts are based on shared planning drivers and standardized key performance indicators across functions, enabling dynamic scenario modeling and enterprise-wide responsiveness. Cross-functional teams jointly participate in planning processes, with each function accountable for the accuracy and relevance of its inputs.

The integration of automation across the planning cycle reduces manual effort and shortens planning iterations, allowing FP&A teams to shift from periodic updates to a rolling forecast cadence. As a result, the finance function is repositioned as a strategic orchestrator of enterprise performance, with the capacity to anticipate risks and opportunities, support resource optimization, and align operational decisions with long-term objectives.

This advanced maturity level reflects what is commonly referred to as Integrated FP&A. It adopts real-time collaboration, standardized data logic, and dynamic scenario adaptability across the enterprise. This advanced maturity stage, while representing the current peak of FP&A practice, also lays the structural and cultural groundwork for the next level of transformation, one that introduces intelligent automation, real-time orchestration, and AI-driven forecast logic.

Building on this foundation, Integrated AI FP&A represents the next frontier, extending traditional capabilities through embedded machine learning, intelligent automation, signal-triggered orchestration, and agent-based AI.

3.2. The Path to the Integrated FP&A

Achieving Integrated FP&A requires a strategic and coordinated transformation across six foundational pillars: strategy alignment, governance, process redesign, technology infrastructure, data and analytics, and organizational culture. These dimensions form an integrated system in which each reinforces the others, enabling organizations to transition from siloed, static planning toward a continuous, collaborative, and data-driven operating model.

3.2.1. Strategy Alignment: Translating Vision into Forecast Logic

The transformation begins with embedding enterprise strategy directly into planning logic. Strategic objectives must be translated into planning drivers and operational targets that guide forecasting and resource allocation. For instance, a strategic initiative to shift toward a hybrid work model would influence forecasts through changes in facility utilization, remote-work costs, and employee productivity assumptions. Similarly, a corporate goal to increase recurring revenue by 25 percent requires decomposing high-level targets into operational components, such as renewal rates, pricing strategy, and sales capacity across market segments. Such detail ensures that long-term goals are continuously reflected in operational tasks and resource distribution.

3.2.2. Governance: Enforcing Cross-Functional Forecast Ownership

To support this shift, governance structures must evolve to distribute forecast ownership beyond the finance team. Forecasting accountability should extend to every function that contributes input assumptions, data, or operational insight. A structured planning calendar should define submission deadlines, reforecast checkpoints, and approval cycles across the business. Forecast reviews, led by finance, serve not only to validate assumptions and analyze variances, but also to foster alignment and transparency. Quantitative performance metrics, such as forecast accuracy, response time to deviations, and scenario preparation discipline, become indicators of both planning effectiveness and organizational maturity.

3.2.3. Process: Moving Toward Rolling and Scenario-Based Planning

Scenario modeling further enables organizations to evaluate trade-offs between strategic alternatives. For example, comparing the financial and operational implications of outsourcing software development versus scaling internal teams requires assumptions that are transparent, testable, and adaptable. Budgets, workforce plans, and capital investments are dynamically adjusted based on real-time data, ensuring that short-term actions remain aligned with long-term aspirations.

Process redesign plays a pivotal role in replacing static budgeting with rolling forecasts and scenario-based planning. Monthly or even more frequent rolling forecasts, driven by both internal and external signals, enable plans to evolve continuously in response to changing business dynamics. According to Hyndman and Athanasopoulos (2018), forecasting is an important aid in effective and efficient planning. Developing a comprehensive scenario library, including baseline, downside, regulatory, and ESG-adjusted cases, supports rapid impact assessment and adaptive planning. Real-time data feeds enable long-range planning to be more accurate and dynamic, transforming forecasting into a continuous process where leadership can intervene swiftly without compromising strategic alignment (Adelakun, 2023).

3.2.4. Technology: Building a Scalable Integrated Architecture

Technology serves as the backbone of this transformation. The architecture required for Integrated FP&A must be modular, scalable, and capable of real-time data orchestration. Initial integration can begin with batch data pipelines (ETL), but it should evolve toward API-based frameworks that enable real-time data flow between operational systems and the central planning engine. This central platform enforces standardized assumptions and centralized logic while enabling automated function-level forecasting. The infrastructure must also support dynamic forecast recalibration and signal-triggered scenario switching, which are essential capabilities at the Leading maturity stage. Aly et al. (2025) emphasize that such technical capabilities are critical for real-time financial signal processing and governance control.

3.2.5. Data & Analytics: Standardizing Assumptions and Controlling Drivers

Forecast accuracy is sustained through robust data and analytics governance. Organizations must maintain a validated library of key planning inputs, such as exchange rates and inflation, with a clear version history and robust access controls. A standardized KPI framework ensures consistency of financial and ESG metrics across functions and business units. ESG data, including CO_2 emissions per unit, energy intensity, or green CapEx allocations, should be tagged at both transaction and planning levels, enabling integrated financial-sustainability analysis and decision-making.

3.2.6. Culture: Enabling Collaboration, Learning, and Planning Fluency

Cultural transformation is equally essential. Building FP&A maturity demands planning fluency across all levels of the organization. Non-financial stakeholders must be trained to understand forecasting logic, interpret variances, and make responsive adjustments to assumptions. Encouraging a planning mindset beyond fixed annual cycles fosters organizational agility. Measuring and publishing forecast performance across functions reinforces ownership, transparency, and disciplined engagement. Forecasting becomes not merely a financial exercise, but a shared enterprise capability that adapts in real-time to changing signals and business conditions.

The transition to Integrated FP&A thus depends on aligning systems, structures, and behaviors. Organizations must begin by assessing their current maturity using structured models, such as the FP&A Trends framework (FP&A Trends Group, 2023), to identify concrete gaps across the six transformation pillars. Execution should proceed iteratively, with targeted improvements in planning ownership, scenario infrastructure, data integration, and forecasting cadence.

Ultimately, the Integrated FP&A is not only a technical achievement but an organizational transformation. It marks the point at which strategic plans are continuously translated into executable actions across the enterprise, informed by live operational data and supported by distributed ownership. It lays the essential foundation for the next frontier in planning maturity, Integrated AI FP&A, which introduces artificial intelligence and signal-driven decision-making to further extend agility, resilience, and impact.

3.3. System Architecture and Data Integration: The Technical Bridge to Integrated AI FP&A

This section builds upon the principles outlined in Section 3.2.4. Technology: Building a Scalable Integrated Architecture, to illustrate how Integrated FP&A becomes operational through a modular, real-time architecture. In digitally mature or high-growth enterprises, finance functions face increasing pressure to deliver fast, accurate forecasts from fragmented operational systems. Integrated FP&A addresses this challenge not by imposing a monolithic platform, but by orchestrating an architecture that connects decentralized business tools and data sources into a unified, agile planning environment.

Rather than forcing all functions into a single planning tool, this architectural approach allows each business unit to retain its specialized systems while enabling seamless connectivity through a scalable data integration framework. Such orchestration ensures that consistent assumptions, real-time signals, and standardized drivers are integrated into a centralized forecasting engine, thereby preserving planning agility while enforcing governance and accuracy. As Aly et al. (2025) argue, this modular infrastructure is crucial for ensuring financial signal processing and operational

alignment in modern, AI-augmented planning environments.

At the foundation of this architecture lies the data connectivity layer, which ingests information from various operational systems using methods such as file transfers, robotic process automation (RPA), batch extract, transform, load (ETL) pipelines, or application programming interfaces (APIs). The choice of method depends on the organization's digital maturity and the complexity of its systems. Once captured, the raw data is entered into an enterprise data warehouse (EDW), where it is structured, validated, and harmonized for planning purposes. A transformation engine then applies planning logic, converting operational indicators, such as headcount, booked revenue, or emissions, into financial forecasts using standardized, auditable assumptions.

The core of the planning environment is the Integrated FP&A platform, which governs forecast cycles, driver assumptions, data versioning, and collaborative workflows. This platform continuously receives upstream signals from accounting, sales, operations, and external data sources, allowing forecasts to be updated dynamically. A workflow orchestration layer automates forecast recalibration triggers, alerts for assumption deviations, and exception handling, thereby reducing manual intervention and enforcing data discipline across departments. The analytics and output layer completes the loop, distributing planning insights through dashboards, scenario reports, and executive board materials, thereby ensuring that data drives decision-making at all levels.

A reference model of this architecture can be understood as a hub-and-spoke system: the hub being a centralized forecasting engine supported by a cloud-based EDW (e.g., Snowflake, BigQuery), with middleware tools such as Workato or Apache Airflow managing data transformations and automated triggers, and the spokes being various source systems, ERP, CRM, HR, and ESG tools, feeding real-time data into the planning environment. This live system supports agile resource allocation, ESG integration, and cross-functional collaboration at scale, allowing organizations to respond swiftly to changing conditions while maintaining strategic alignment (see Figure 1).

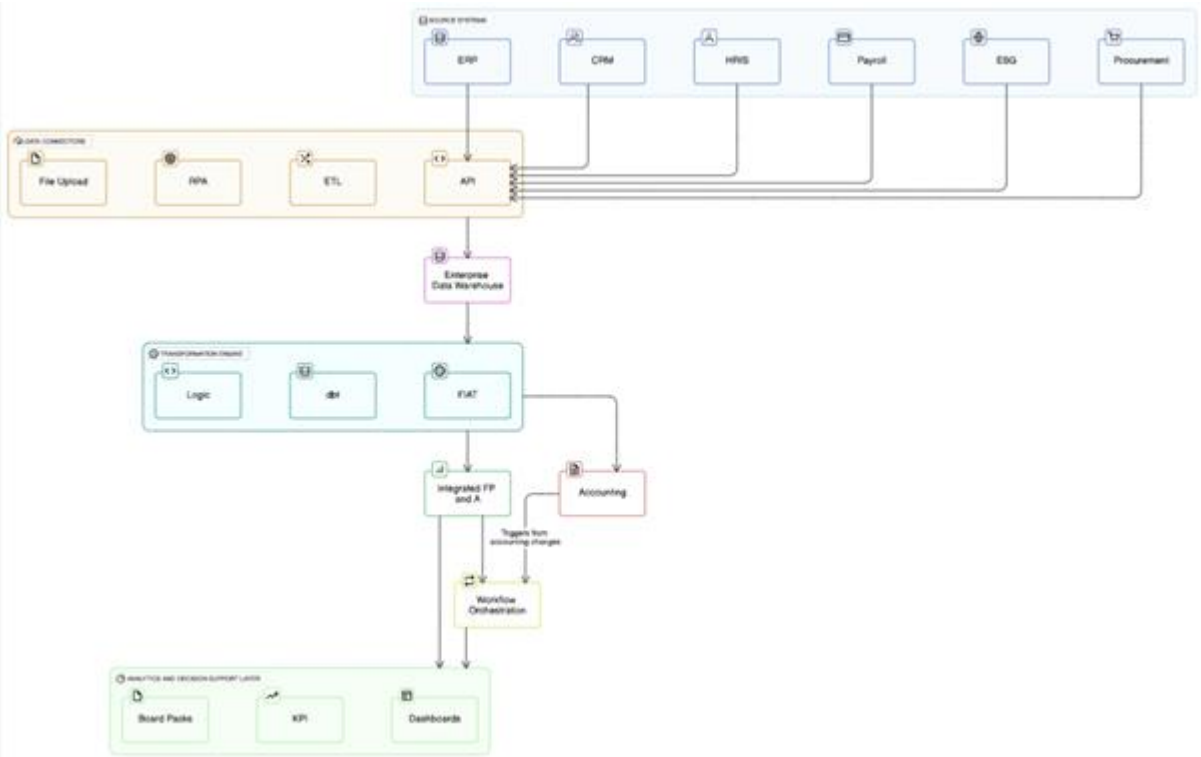

Fig. 1. Reference model in practice (compiled by author)

Integrated FP&A requires consistent, up-to-date operational data linked to forecasts, supporting timely decision-making. The achievement of this depends on how well an organization links its source systems into a

centralized planning infrastructure. There is no one-size-fits-all integration approach. The approach has to reflect a company's system maturity, planning cadence, data governance capabilities, and internal resources. Below is the table that depicts standard methods used by organizations in bringing data into planning tools and the trade-offs that should be considered

Table 2. Standard methods used by organizations in bringing data into planning tools (compiled by the author)

Integration Type	Description	Best Suited Maturity Stage	Suitable For	Use Case Examples	Key Trade-Offs
File-Based Transfer	Simple one-way uploads (CSV, XLS) into planning systems	Developing	Resource-constrained teams with limited IT support	Monthly headcount reports uploaded from HR to Workday Adaptive	Low cost and fast to deploy, but error-prone and unsuitable for high-scale, real-time forecasting
ETL Pipelines	Scheduled extractions from source systems, transformed, and loaded into data warehouses	Defined to Advanced	Data-mature orgs with centralized BI teams and DW infrastructure	Salesforce data extracted via Fivetran to Snowflake, feeding forecasts	Scalable and structured, but updates are delayed and require data engineering
APIs	Real-time, two-way exchange of data between systems	Leading to Integrated AI FP&A	Tech-savvy orgs with strong developer support	Closed deals in Salesforce auto-update the ARR forecast in Pigment	Real-time accuracy, but requires strong governance and IT involvement
RPA (Robotic Process Automation)	Simulates manual data entry for legacy systems lacking integrations	Developing to Defined	Legacy tech environments with urgent integration needs	A bot extracts invoices from ERP into Adaptive weekly	Useful workaround for older systems; requires ongoing maintenance

BI Integration	Pulls data into visualization tools like Power BI or Tableau for reporting only	Defined to Advanced	Analytics-focused teams without full automation need	Gross margin forecasts visualized in Power BI dashboards	Enhances visibility, but doesn't feed back into planning logic

Regardless of the chosen method, all integration paths eventually feed into the central forecasting engine. This engine aligns operational and financial signals with enterprise strategy through driver-based modeling, scenario simulation, and rolling forecasts. As FP&A systems mature, integration methods should evolve, from file uploads to ETL pipelines and ultimately real-time APIs, enhancing speed, accuracy, and planning reactivity.

The impact of this integrated architecture is transformative. FP&A evolves into the orchestrator of enterprise planning intelligence. Finance teams no longer act as passive collectors of inputs, but as real-time signal processors who steer the organization by continuously translating operational indicators into forecast updates and allocating resources accordingly. For example, pipeline fluctuations may trigger automated revisions to revenue projections, workforce planning may adjust dynamically to HR inputs, and ESG signals may redirect capital allocation toward more sustainable projects (Vuković et al., 2025).

This architecture is a core component of the next evolutionary step, Integrated AI FP&A, enabling signal-driven automation and modular intelligence layers that extend beyond human-driven planning logic.

3.4. Integrated AI FP&A: The Next Frontier

As organizations advance into the Leading stage of FP&A maturity, the logical next step is to embrace Integrated AI FP&A. This shift enhances the fundamental framework of financial planning by incorporating sophisticated technologies that enhance forecast precision, agility, and cross-functional coherence. By embedding artificial intelligence, finance teams move beyond periodic reviews to a continuous, real-time planning cycle that reacts instantly to changing business dynamics.

While various types of AI contribute to FP&A, including machine learning for forecasting, rule-based automation for planning workflows, anomaly detection systems, natural language generation (NLG) for explanatory insights, optimization algorithms for resource allocation, and AI agents for autonomous task execution and alert handling, this paper focuses on practical applications that improve forecasting responsiveness, enhance accuracy, and support ESG integration. The emphasis is on AI systems whose outputs and decision logic are interpretable by finance professionals, supporting their confident use in enterprise planning without requiring deep technical expertise.

In practice, this means forecasts refresh themselves as soon as operational events occur. A signed contract in the CRM immediately updates revenue estimates, staffing projections, and margin analyses without manual intervention. Machine-learning models, trained on historical performance, recognize evolving patterns in expenses, turnover, or carbon outputs and recalibrate key assumptions in real time. The result is a planning process that stays current, data-driven, and firmly anchored in today's business reality.

Planning becomes an active process, where forecast outputs trigger follow-up actions and operations shape financial plans. If key metrics fall outside defined thresholds, the system responds by initiating updates, proposing alternative scenarios, or alerting decision-makers. ESG metrics, such as carbon intensity or resource efficiency, are embedded directly into the planning models. These parameters influence investment decisions and operating targets, enabling organizations to strike a balance between financial outcomes and long-term sustainability objectives.

A key distinction of Integrated AI FP&A lies in its ability to combine real-time updates with predictive modeling. The table below illustrates how AI-based capabilities

enhance core planning functions:

Table 3. AI-Enabled Enhancements to Core Planning Functions in Integrated Financial Planning and Analysis (compiled by author)

Planning Function	AI Capability
Forecast Updating	Forecasts are recalculated immediately when actuals or assumptions change
Scenario Switching	The system automatically shifts between forecast models when specific business conditions are met
Assumption Calibration	Inputs are adjusted based on analysis of historical trends and deviations
Anomaly Detection	Outliers or unexpected values in cost, margin, or ESG indicators are flagged for review
Recommendation Generation	The system proposes follow-up actions, such as adjusting headcount plans or revising capital allocations

These capabilities turn financial planning into a continuous, responsive system. When a hiring delay is detected, for instance, the system reduces labor cost forecasts, adjusts headcount assumptions, notifies relevant departments, and may initiate budget reallocation, without requiring manual input.

This transformation also changes the role of finance professionals. Rather than compiling data and generating forecasts manually, they focus on managing model integrity, validating assumptions, and interpreting automated outputs. The responsibility remains with people, while systems handle the mechanical execution of updates. According to Vuković et al. (2025), AI-led forecasting can only succeed when supported by standardized data sources, transparent models, and traceable logic. Without these conditions, automation can introduce errors and inconsistencies.

Strong oversight remains essential. AI models should be explainable, auditable, and aligned with both corporate objectives and regulatory requirements. Ethical safeguards are essential to ensure that forecasts align with goals related to ESG, inclusion, and long-term planning. Manual review and governance mechanisms should be built into every AI-driven planning system to prevent unintended outcomes.

The next step in this evolution is the development of integrated, autonomous planning environments. These systems utilize conversational interfaces to respond to forecast queries, real-time agents to monitor KPIs, and reinforcement learning to refine planning logic as business conditions change. Finance functions shift from managing static cycles to supervising continuous performance systems, ensuring that planning remains relevant, consistent, and aligned with organizational priorities.

4. CONCLUSION

This paper presents a structured framework for achieving the Leading stage of FP&A maturity, emphasizing the shift from static, siloed planning to an integrated, continuously adaptive system. Alignment of strategy, data, processes, and culture supports the transition to more transparent and collaborative planning that effectively responds to business changes, including evolving ESG requirements.

Among the novel contributions of this work is the introduction of Integrated AI FP&A as the next logical evolution beyond the Leading stage of maturity. It

extends established FP&A capabilities, such as standardized assumptions, scenario libraries, and cross-functional forecast ownership, by embedding intelligent automation to enable more proactive and responsive decision-making. This approach supports real-time forecasting, AI-based scenario logic, and ongoing recalibration of assumptions using live operational data. The system automatically updates forecasts when business events occur and notifies relevant departments for further actions and analysis. These enhancements transform financial planning from a periodic, manual process into a continuous, organization-wide process, enabling faster, data-driven responses aligned with strategic objectives.

The paper discusses how a modern modular architecture can integrate various operating systems without requiring a single platform and without replacing existing tools. The approach accommodates the integration of data while allowing every department to utilize the systems that best serve its specific requirements.

The importance of human accountability, effective oversight of AI use, and robust data governance is also highlighted.

This paper advances the field of financial planning and analysis by presenting a structured framework for progressing toward the Leading stage of FP&A maturity and introducing a scalable system design for its evolution into Integrated AI FP&A. It demonstrates how organizations can develop core FP&A capabilities and then expand them through real-time data synchronization, machine learning–based forecasting, and a modular architecture. The approach is designed for finance and strategy teams seeking to develop continuously adaptive, enterprise-connected planning systems that foster strategic clarity, operational agility, and measurable impact across financial performance, business value, and ESG outcomes.

5. REFERENCES

Adelakun, B. O. (2023). AI-Driven Financial Forecasting: Innovations And Implications For Accounting Practices. *International Journal of Advanced Economics*, *5*(9), 323–338. https://doi.org/10.51594/ijae.v5i9.1231

Aly, I. H., Dagodzo, A., & Radisic, S. (2025). *What are the best practices for performing variance analysis with performance reporting tools and software?* LinkedIn. https://www.linkedin.com/advice/3/what-best-practices-performing-variance-analysis-y0ime

Ambasht, A. (2023). Real-Time data integration and analytics: Empowering data-driven decision making. *International Journal of Computer Trends and Technology*, *71*(7), 8–14. https://doi.org/10.14445/22312803/IJCTT-V71I7P102

FP&A Trends. (2023). *Maturity model*. FP&A Trends. https://fpa-trends.com/maturity-model

Gartner. (2025). *Financial Planning and Analysis (FP&A) Transformation*. Gartner. https://www.gartner.com/en/finance/role/financial-planning-analysis

Hyndman, R. J., & Athanasopoulos, G. (2018). Forecasting: Principles and Practice. In *Otexts.com* (2nd ed.). O Texts. https://otexts.com/fpp2/

Vuković, D. B., Dekpo-Adza, S., & Matović, S. (2025). AI integration in financial services: a systematic review of trends and regulatory challenges. *Humanities and Social Sciences Communications*, *12*(1). https://doi.org/10.1057/s41599-025-04850-8