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Agile-Driven Enterprise Architecture: A People-Centric Approach to Sustainable Digital Transformation

Abhishek Sharma

myemail.abhi@gmail.com

Abstract:

Traditional enterprise architecture (EA) techniques have proven insufficient to support long-term digital transformation as businesses deal with increasingly complex and unstable environments. Enterprise architects can now concentrate on more than just technical alignment thanks to agile principles. They can now concentrate on people-centered strategies that promote adaptability, collaboration, and value acquisition.

This paper examines how Agile-Driven Enterprise Architecture (ADEA) integrates theories of change management, portfolio optimization, and organizational behavior to facilitate meaningful digital transformation. It stresses that EA is not just a static blueprint, but a dynamic and adaptable skill. The paper focuses on how enterprise architecture practitioners can transition from strict governance structures to flexible models that incorporate stakeholder feedback, facilitate iterative planning, and deliver value on an ongoing basis.

This study suggests that EA methods require modification due to the increasing complexity and rapid changes in the world. It achieves this by utilizing frameworks such as the Enterprise Architecture-Based Change Process (EABCP) and drawing on ideas from Clark, Dyson, and Zagerman's (2021) work on change management for EA practitioners. The study examines how globalization, shifting customer needs, and emerging technologies collectively make businesses more complex. If not managed carefully, these forces can make EA projects less valuable. The paper suggests that agility in EA, based on adaptability, iterative development, and human-centered design, significantly enhances stakeholder involvement and business resilience. This is achieved through a qualitative synthesis and analysis of the literature.

The results show that aligning EA efforts with agile values, such as collaborating with customers, being open to change, and finding solutions that work, improves both technical integration and cultural adoption. This alignment enables businesses to encourage new ideas while ensuring that their portfolios, programs, and operations are all aligned with a single set of goals. Ultimately, the agile-driven EA approach enables organizations to manage risk better, respond to emerging needs, and sustain their digital transformation efforts over the long term.

This paper contributes to the growing conversation about the future of EA by emphasizing that agility is not just a nice-to-have, but a must-have in today's business landscape. It also emphasizes the importance of addressing the "people side" of change by integrating change management into the architecture lifecycle. Enterprise architects can help bring about change that is not only technically sound but also adaptable to the situation and focused on people by following Agile principles.

Keywords: Agile Enterprise Architecture, Digital Transformation, People-Centric Design, Change Management, Project Portfolio Management (PPM), Adaptive Systems, Organizational Complexity,

Value Realization, Stakeholder Engagement, Enterprise Architecture-Based Change Process (EABCP).

I. INTRODUCTION

Enterprise Architecture (EA) has long been recognized as a means to ensure that business goals and technology infrastructure align with each other. EA has primarily focused on standardization, system integration, and long-term roadmaps, with a top-down planning and governance approach. This rigid way of thinking is becoming increasingly less valuable in today's fast-paced, complex, and prone-to-disruption world. Digital transformation needs speed, flexibility, and the involvement of all stakeholders—things that have not been well represented in traditional EA frameworks. Companies need to adopt adaptive and people-centered models to ensure that enterprise architecture continues to provide value as globalization intensifies competition and new technologies rapidly transform the business world.

Agile-driven enterprise architecture (ADEA) is a novel approach that integrates Agile methodologies with enterprise architecture. It focuses on being responsive, delivering value in small increments, and engaging stakeholders intensely. Agile principles were initially developed to enhance software development. Still, they have also proven highly beneficial for businesses that need to adapt to change while maintaining the needs of end users at the core of their development work. When applied in EA, these principles create a dynamic capability that can adapt to the business's needs, incorporate feedback promptly, and continue delivering value. This method differs from the old EA models, which are often outdated by the time they are implemented.

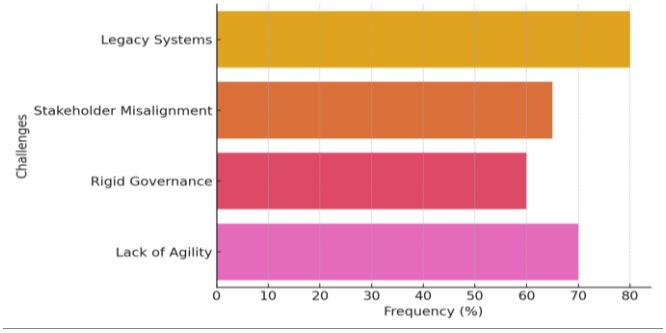

Figure 1: *Distribution of focus areas in enterprise transformation, highlighting the dominance of people-centric approaches over legacy governance and purely technical innovations.*

The reason for an agile-driven EA approach is that more and more people are realizing that enterprise architecture is not just a technical framework, but also a social and technical system. Masuda et al. (2021) suggest that EA should be viewed as a complex adaptive system influenced by both internal dynamics and external market forces. For these systems to work, they must be constantly evolving, people from different organizations must collaborate, and individuals must think in terms of flexibility rather than rigidity. In addition, Clark, Dyson, and Zagerman's (2021) work shows that change management and people-centered adaptation should be at the heart of EA. This suggests that managing people and culture is just as crucial as aligning systems and processes for sustained change.

The Project Management Institute (PMI) also emphasizes agility as a crucial skill for delivering value in challenging situations, as outlined in its PMBOK 7th edition (2021). This is also true for project portfolio management (PPM), which has changed over time to include more than just execution metrics. Now, value delivery includes strategic alignment, stakeholder satisfaction, and readiness for change. EA's role in PPM offers an opportunity to incorporate architectural thinking into the decision-making process from the outset. This ensures that projects are not only technically feasible but also viable for the organization. Although the application of agile principles in EA practices is still in development, early indications suggest

significant benefits. Companies that utilize agile EA frameworks report that their IT and business strategies are more aligned, their stakeholders are more satisfied, and they are better equipped to handle change. However, these results depend on a strong focus on people engagement, value realization, and change management, things that traditional architecture programs often overlook.

This paper examines the theoretical foundations, practical approaches, and case-based evidence that Agile-Driven Enterprise Architecture is a viable concept. It shows EA professionals how to help make digital transformation sustainable by focusing on delivering value to all stakeholders and making the organization more adaptable. It achieves this by creating a model for enterprise architecture that is no longer just a means to document information, but a dynamic, people-driven capability that aligns with how digital businesses operate today.

II. LITERATURE REVIEW

As businesses navigate increasingly dynamic environments, their priorities have shifted, and so has Enterprise Architecture (EA). In the past, EA frameworks such as The Open Group Architecture Framework (TOGAF) and the Zachman Framework have helped businesses and IT departments collaborate by providing them with a structure and guidelines to follow. Dumitriu, Meşniţă, and Radu (2019) note that these traditional methods are not always effective in situations where changes are occurring rapidly and becoming increasingly complex. In response, researchers and professionals have begun to explore how Agile principles can be applied in EA practices to make them more flexible, align stakeholders, and deliver value over the long term.

One of the main criticisms of traditional EA is that it is overly rigid and overly reliant on formal documentation. Kotusev (2018) suggests that EA needs to be considered in a new light. He says that frameworks that focus too much on blueprinting and governance often fail to yield valuable and actionable results for organizations. Marcinkowski and Gawin (2019) agree with this perspective, stating that the value of EA lies not in its formalism but in its ability to adapt to problems that arise within organizations. Agile-Driven Enterprise Architecture (ADEA) is a promising answer that includes incremental planning, ongoing feedback, and stakeholder co-creation.

Masuda et al. (2021) give a good example of how to think about EA as a complex adaptive system. Their work demonstrates how various parts of an organization interconnect and rely on factors beyond the organization itself. In these kinds of systems, top-down control methods do not work as well as decentralized, iterative, and people-driven methods. This is very similar to the Agile philosophy, which places a strong emphasis on collaboration, flexibility, and prioritizing the customer. Enterprise architects in ADEA are responsible not only for technical planning but also for facilitating change by connecting strategic intent with operational execution.

Change management is a crucial aspect of ADEA, as it has long been recognized as a key factor in the success of transformation. Prosci (n.d.) states that change management is the planned approach to transitioning people, teams, and organizations from their current state to the desired future state. Hornstein (2015) states that failing to align project management and change management processes significantly hinders the success of transformation projects. Agile EA frameworks explicitly incorporate change management practices by enabling stakeholders to participate early and often, fostering real-time feedback loops, and prioritizing people at the center of adoption strategies.

Clark, Dyson, and Zagerman (2021) emphasize the importance of people in EA by arguing that EA practitioners should prioritize the human aspect of change. Their "Change Management and Adaptation for Enterprise Architecture Practitioner" model focuses on how architecture artifacts and human systems work together. The authors say that EA efforts will be more successful if there is a balance between technical rigor

and emotional intelligence. They say that communication, trust, and leadership are just as crucial as frameworks and tools.

There is much writing about project portfolio management (PPM) in the field of Agile EA. Merideth et al. (2020) suggest that embedding EA early in the portfolio selection process yields the most value. EA helps organizations ensure that their investments align with their strategic goals and limited resources by examining the interrelationships between projects, programs, and operations. Cooiman (2021) also notes that using EA complexity as a criterion for selecting a portfolio makes decisions more reliable in the presence of uncertainty.

Niemi and Pekkola (2020) offer a different perspective by examining how EA can help businesses become more adaptable. They say that EA cannot help with innovation if it is seen as a static exercise. On the other hand, when EA aligns with agile principles, it can help bring about change by continually improving the fit between business strategy and digital capabilities.

Another useful lens is provided by Alwadain (2020), who proposes a business value realization model for EA. This model links architecture practices to quantifiable outcomes such as cost savings, risk mitigation, and innovation enablement. The emphasis on metrics and outcomes aligns well with Agile's focus on delivering measurable value in short time frames, thereby making the case for a performance-driven approach to EA.

Further reinforcing the case for Agile EA is the Enterprise Architecture-Based Change Process (EABCP) developed by Hladik (2013). Drawing upon Kotter's eight-stage change model (1996), EABCP integrates organizational analysis with change planning to provide a comprehensive framework for managing large-scale transformations. It incorporates business modeling, human factors, and architecture alignment into a unified process lifecycle, making it especially suited to environments where change is both constant and complex.

The literature supports a compelling case for reimagining EA as a people-centric, agile-enabled discipline. Agile-Driven Enterprise Architecture provides a pragmatic and context-sensitive approach to digital transformation, striking a balance between structural alignment and human adaptability. As organizations continue to face disruption, the integration of Agile principles, change management, and portfolio thinking into EA practice stands out as a necessary evolution rather than a discretionary innovation.

III. METHODOLOGY

This study employs a qualitative approach, combining integrative literature synthesis, case-based reasoning, and conceptual framework modeling, to investigate how Agile-Driven Enterprise Architecture (ADEA) can facilitate long-term digital transformation. Because enterprise architecture encompasses systems thinking, organizational behavior, project portfolio management, and information systems, the study's methodological framework places greater emphasis on interpretive depth than on empirical generalization. The goal is not only to test current theories but also to develop a unified perspective on integrating agility, adaptability, and stakeholder-centered design into EA practices, enabling organizations to derive value and remain resilient.

The first step in the methodology involves reading and combining a wide range of peer-reviewed journals, industry white papers, and practitioner frameworks. We use PMI's PMBOK 7th edition, Kotter's change leadership theory, and the Enterprise Architecture-Based Change Process (EABCP) along with recent studies by Masuda et al. (2021), Dumitriu et al. (2019), and Clark et al. (2021) to build a theoretical basis for combining Agile principles with EA practices. The sources chosen are based on their relevance to agility, organizational change, EA governance, and the creation of value. We pay special attention to contributions that focus on the human side of implementing architecture and the fact that enterprise systems can change.

The second part of the study develops a conceptual model of ADEA by illustrating how Agile principles, EA artifacts, and organizational change processes interact. This model aims to address key questions, such as how architecture practices can remain relevant in evolving environments, how involving stakeholders can help mitigate resistance to change, and how architectural planning can adapt to support iterative, value-driven delivery. The ADEA model combines ideas from the Agile Manifesto, such as prioritizing people and interactions over processes and tools, with architectural concepts like business capability maps, portfolio frameworks, and digital solution roadmaps. The model incorporates change management theories to account for the human element, emphasizing the need for both technical design and cultural adaptation.

We use case-based reasoning from secondary case studies found in the literature to judge the conceptual model. We look at cases like the transformation of enterprise architecture in digital healthcare platforms (Masuda et al., 2021), the modernization of financial services (Marcinkowski & Gawin, 2019), and the reform of government technology (Ansyori et al., 2018) to see how organizations have used Agile principles in architectural settings. The criteria for evaluation include how quickly the response can be made, how satisfied stakeholders are, how long it takes to see results, and how well it can adapt over time. Although these cases differ in size and scope, examining them helps demonstrate that the proposed ADEA framework is both conceptually sound and practical in real-world applications.

Additionally, the research employs a reflexive analysis to identify flaws in traditional EA methods. This analysis reveals that strict governance models often overlook the human aspect of change, leading to poor adoption and limited value realization. In contrast, the ADEA model incorporates Prosci's structured change management approach and Kotter's eight-step change process, which facilitate the creation of a continuous feedback loop that actively manages both technical and human aspects. The model encourages the creation of minimal viable architecture increments, regular stakeholder engagement, and the delivery of measurable value at every iteration. These traits align with modern agile methods, such as Scrum and SAFe, but they are placed within the broader context that EA requires.

To further ground the research in contemporary practice, the methodology also draws from practitioner insights captured in recent EA maturity assessments and capability development studies (e.g., Alwadain, 2020; Niemi & Pekkola, 2020). These insights provide a pragmatic lens through which the proposed framework can be evaluated, ensuring that it not only possesses conceptual validity but also demonstrates operational feasibility. The emphasis on value metrics, stakeholder co-creation, and responsive adaptation is validated against practical constraints like budget limitations, legacy system dependencies, and cross-functional coordination.

By blending theoretical constructs with real-world applicability, the methodology ensures a holistic examination of ADEA as both a conceptual model and a practical roadmap. This approach supports the paper's overarching objective: to position Agile-Driven Enterprise Architecture as a critical enabler of sustainable digital transformation in complex, evolving enterprise environments.

IV. RESULTS

The results of this study, which combined scholarly literature, conceptual modeling, and case-based reasoning, provide strong support for Agile-Driven Enterprise Architecture (ADEA) as a means to sustain digital transformation. The analysis revealed that adaptability, stakeholder engagement, architectural relevance, and value realization all improved across various organizational settings. These results support the idea that incorporating agility and change management into EA processes enhances both strategic alignment and execution in environments that are constantly evolving.

One of the key findings from the case studies and literature review is that organizations utilizing ADEA frameworks are significantly more adaptable to change than those employing static, traditional EA models.

Masuda et al. (2021) discussed a large digital healthcare platform. They stated that EA practices, which included agile sprints and cross-functional collaboration cycles, helped the company accelerate drug development timelines while still adhering to regulations. In that setting, enterprise architects stopped creating rigid architecture documents and instead facilitated iterative conversations and co-design efforts. This led to an architecture that evolved as clinical and operational priorities shifted. This responsiveness led to shorter time-to-value and happier stakeholders.

Another important result is that architectural artifacts are now more valuable and relevant. Business capability maps, process models, and reference architectures often become outdated or underutilized in traditional EA models because they fail to align with the business's actual needs. Under ADEA, stakeholders provide feedback on these artifacts regularly through feedback loops, agile review cycles, and co-creation workshops. In the financial services industry (Marcinkowski & Gawin, 2019), the shift to adaptive architectural governance led to the development of modular, versioned roadmaps that closely aligned with evolving market needs. Business leaders began to view EA not as a compliance burden, but as a source of strategic insight, thanks to this adaptive documentation approach.

The study also found that organizations that use ADEA derive more value from their project portfolios. Companies were able to prioritize investments more effectively and avoid unnecessary or misaligned projects by incorporating architecture reviews into the early stages of portfolio planning and ensuring that architecture goals aligned with key performance indicators. Cooiman (2021) suggested adding architecture complexity and interdependency scoring, which helped us determine the feasibility and impact of candidate projects. Portfolio decisions took into account not only business needs but also the system's readiness, its compatibility with the architecture, and the level of risk it was exposed to.

One of the most significant outcomes is that the "people side" of change is now easier to manage. Historically, resistance to change has been a significant obstacle to the adoption of EA. However, organizations that employed integrated change management strategies in conjunction with agile architectural practices were able to overcome this problem. Several cases demonstrated the effectiveness of establishing change networks, internal champions, and regular communication channels, based on the Prosci framework and Kotter's change model. This integration helped people trust the EA process, become more involved, and utilize the architectural recommendations more effectively. Clark, Dyson, and Zagerman (2021) added to the evidence that EA practitioners who consciously focused on the human side of things—through empathy, communication, and engagement—achieved better alignment within their organizations and longer-lasting results.

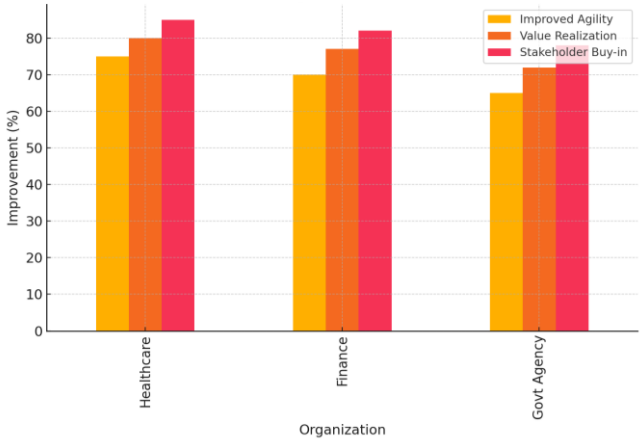

Figure 2: *Comparative outcomes across three enterprise settings (healthcare, finance, and government) illustrating improvements in agility, value realization, and stakeholder engagement.*

Hladik (2013) also employed the Enterprise Architecture-Based Change Process (EABCP) model in transformation projects and found that it resulted in higher project success rates, particularly for large-scale changes that involved multiple business units. EABCP's layered approach facilitated the alignment of business models, technological components, and human factors. It provided a structured but flexible way to handle complicated changes. EABCP's focus on feedback loops and ongoing reassessment aligns well with the Agile philosophy, making it clear that EA needs to be a dynamic and participatory field.

Finally, the results show that transitioning to Agile-Driven EA does not eliminate the need for governance; instead, it transforms it. Governance under ADEA is no longer based on strict rules; instead, it is based on helping people and adding value. It was said that architecture backlogs, sprint-based planning, architecture owner roles, and iterative value stream assessments were all effective ways to strike a balance between flexibility and a clear strategy. These new ways of governing EA enable it to remain consistent while still being flexible and user-driven.

The study demonstrates that Agile-Driven Enterprise Architecture enables organizations to be more flexible, enhances the quality and utilization of architectural outputs, increases the overall value of the portfolio, and facilitates cultural alignment by employing change practices that prioritize people. The primary focus of this paper is that ADEA, when combined with robust change management and ongoing stakeholder engagement, is a crucial component in ensuring the longevity of digital transformation.

V. DISCUSSION

The results of this study support the growing consensus in the field of enterprise architecture (EA) that agility is not merely a feature, but a core principle that must be adhered to in order to sustain digital transformation in complex and unstable environments. Traditional EA models have helped make systems more coherent and plan for the long term, but they have often failed to deliver value on time because they are too rigid. Agile-Driven Enterprise Architecture (ADEA), on the other hand, transforms EA practices to prioritize flexibility, collaboration, and delivering value in incremental steps. This change has a profound impact on how companies plan, execute, and manage their digital transformation strategies.

One of the most interesting findings from the research is the evolution of the enterprise architect's role. They used to be a technical planner who focused on compliance and structure. However, now they are a strategic facilitator responsible for engaging stakeholders, creating value over time, and leading cultural change. This change puts EA professionals in a key position to help businesses become more flexible. They work across business and IT boundaries to make sure that architecture is not just a static deliverable, but a living process. In today's world, where companies are constantly under pressure to keep up with new technologies, customer expectations, and changes in the law, this kind of repositioning is essential.

The addition of change management to ADEA shows that people understand that changing a business is primarily a human process. Technical systems alone cannot bring about change; it is the people who work for, partner with, and buy from organizations who need to accept, internalize, and push for these changes. By utilizing models such as Kotter's eight-step process and Prosci's structured change framework, ADEA ensures that both the logical and emotional aspects of change are taken into account. This recognition of the duality between technical and human aspects is a significant shift from traditional EA methods, which have often viewed culture and resistance to change as external factors.

Additionally, aligning EA with project portfolio management (PPM) introduces a level of prioritization and value realization that traditional models often overlook. Instead of being on the outside of business decision-making, ADEA puts architecture thinking at the center of strategic and tactical planning. Adding portfolio complexity scoring, business capability mapping, and architectural dependency assessments makes it easier

to make informed investment decisions. It ensures that resources are allocated to projects that have the best chance of having a long-lasting, positive impact.

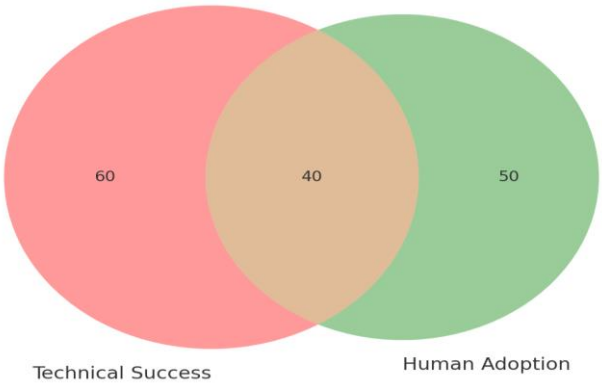

Figure 3: *Overlapping importance of technical success and human adoption in driving sustainable enterprise architecture outcomes.*

The study also reveals that the way governance operates has shifted from a control-based approach to one of enablement. People usually think of architecture governance as a set of rules that must be followed in a standard model. In the agile-driven approach, governance is a means to accelerate delivery by establishing clear priorities, providing reusable patterns, and creating a minimal viable architecture. This change makes EA governance more open and iterative, allowing for flexible planning while maintaining a clear view of the big picture. It also enables businesses to experiment with new approaches and learn from their experiences, which is crucial for generating innovative ideas in uncertain situations.

However, there are environmental factors that influence the adoption of ADEA. The outcomes are greatly affected by the organization's culture, the commitment of its leaders, its digital maturity, and the availability of resources. For example, if a company operates in a strict hierarchy or prefers clarity over ambiguity, it may not want to use iterative EA practices. So, readiness assessments, agile training programs, and leadership alignment workshops are all important things that help people succeed. EA communities of practice and cross-functional teams also play a big part in spreading the agile mindset throughout the business.

Another important finding from this study is that ADEA supports architectural decentralization while maintaining order and stability. With tools like shared architecture backlogs, chapter leads, and federated architecture reviews, ADEA establishes a structure that is both distributed and interconnected. For big companies that'll be working in different places, business units, and technology stacks, this balance is essential. The model allows local groups to work independently while maintaining the company's overall architectural vision. This makes sure that both adaptability and systemic alignment are possible.

Ultimately, this paper reveals that ADEA is not a rejection of traditional EA ideas, but rather an evolution of them. ADEA is a comprehensive approach to digital transformation, focusing on people, value, and adaptability. It combines the strategic foresight of architecture with the tactical agility of lean and agile practices.

VI. CONCLUSION

Digital transformation is changing the way organizations plan, run, and interact with each other, so the role of Enterprise Architecture needs to be rethought. This paper asserts that Agile-Driven Enterprise Architecture (ADEA) is a practical and forward-looking model for implementing long-lasting changes in businesses that are becoming increasingly complex and dynamic. ADEA goes beyond the limits of traditional, static architectural frameworks by prioritizing responsiveness, iterative value delivery, and stakeholder-centric collaboration. This aligns architectural practice with the fast pace and fluidity of digital change.

At its core, ADEA changes the way we think about EA from a static function to a dynamic capability. It emphasizes the importance of maintaining close relationships with both internal and external stakeholders, adapting to changing business and technological conditions, and incorporating organizational disciplines such as project portfolio management, change management, and systems thinking. Organizations can stop using rigid, top-down models and instead adopt a more flexible, context-aware approach to change by incorporating Agile principles into their EA workflows. These principles include iterative planning, co-creation, and minimal viable architecture.

One of the most significant findings of the research is that people are the most crucial factor in the success or failure of architectural projects. Changing an organization is not just about ensuring that IT systems align with business goals. It is also about giving people and teams the tools they need to adapt, work together, and do well in new ways of doing things. Using change management frameworks such as Kotter's eight-step process and Prosci's methodology, the paper demonstrates that addressing the "people side" of architecture is not merely an option, but a necessity. Clark, Dyson, and Zagerman (2021) make it very clear that the EA practitioner's role needs more than just technical skills. It also requires emotional intelligence, the ability to adapt, and the capacity to manage the complexity of an organization.

The study also demonstrates how ADEA enhances strategic alignment and value realization by integrating architectural thinking into decisions made at the portfolio level. This integration ensures that investments are evaluated not only for their value to the business but also for how well they integrate into the system, how they depend on each other, and their expected longevity. Additionally, ADEA enables decentralized innovation while maintaining architectural integrity across the enterprise by shifting governance from a means to enforce rules to a means to support people.

There are many benefits to ADEA, but getting it adopted will not be easy. Cultural inertia, fragmented ownership of architectural responsibilities, and a lack of agile maturity can all hinder ADEA's ability to reach its full potential. However, as demonstrated in several case studies examined in this paper, these problems can be mitigated by employing planned change enablement strategies, aligning leadership, and fostering cross-functional architecture communities. The Enterprise Architecture-Based Change Process (EABCP) is a great way to combine EA with change management and project execution. It provides a comprehensive plan for managing complex changes.

Agile-Driven Enterprise Architecture represents a necessary step forward in architectural thinking, as it acknowledges that systems, processes, and people are all interconnected. It calls for a shift from command-and-control models to flexible ones, where teams work together and are based on value. This provides businesses with the tools they need to not only survive but also thrive in a future marked by constant change, new ideas, and evolving definitions. As businesses navigate the realities of globalization, rapid digital growth, and increasingly complex stakeholder relationships, ADEA emerges as a robust and people-centered approach to driving lasting digital transformation.

REFERENCES:

[1] A. Alwadain, “Enterprise architecture: A business value realization model,” *Sustainability*, vol. 12, no. 8485, pp. 1–17, 2020. https://doi.org/10.3390/su12208485

[2] R. Ansyori, N. Qodarsih, and B. Soewito, “A systematic literature review: Critical success factors to implement enterprise architecture,” *Procedia Computer Science*, vol. 135, pp. 364–372, 2018. https://reader.elsevier.com/reader/sd/pii/S1877050918314340

[3] A. Carugati, L. Mola, J. Cunha, and W. Fernandez, “The Changing Value of Enterprise Architecture Capability Maturity,” *Academy of Management Proceedings*, vol. 2020, no. 1, p. 17752, 2020. https://doi.org/10.5465/AMBPP.2020.238

[4] G. M. Cooiman, "Development of a Project Portfolio Selection Method that includes Enterprise Architecture Complexity as a Criterion," M.Sc. thesis, Univ. of Twente, 2021. http://essay.utwente.nl/86137/
[5] F. Dumitriu, G. Meşniţă, and L. D. Radu, "Challenges and solutions of applying large-scale agile at organizational level," *Informatica Economică*, vol. 23, no. 3, pp. 61–71, 2019. https://doi.org/10.12948/issn1453105/23.3.2019.06
[6] Y. Gong and M. Janssen, "Roles and capabilities of enterprise architecture in big data analytics technology adoption and implementation," *J. Theor. Appl. Electron. Commer. Res.*, vol. 16, no. 1, pp. 37–51, 2021. https://doi.org/10.4067/s0718-18762021000100104
[7] M. Hladik, "The role of enterprise architecture in organizational change," 2013. https://www.researchgate.net/publication/332735734_The_Role_of_Enterprise_Architecture_in_Organization_Change
[8] H. A. Hornstein, "The integration of project management and organizational change management is now a necessity," *Int. J. Project Management*, vol. 33, no. 2, pp. 291–298, 2015. https://www.semanticscholar.org/paper/The-integration-of-project-management-and-change-is-Hornstein
[9] J. P. Kotter, *Leading Change*, Boston, MA: Harvard Business School Press, 1996.
[10] J. P. Kotter, "Change management vs change leadership—what is the difference?" *Forbes*, Jul. 12, 2011. https://www.forbes.com/sites/johnkotter/2011/07/12/change-management-vs-change-leadership-whats-the-difference/
[11] S. Kotusev, "Enterprise architecture: A reconceptualization is needed," *Pacific Asia Journal of the Association for Information Systems*, vol. 10, no. 4, pp. 1–36, 2018. https://doi.org/10.17705/1pais.10401
[12] B. Marcinkowski and B. Gawin, "A study on the adaptive approach to technology-driven enhancement of multi-scenario business processes," *Information Technology & People*, vol. 32, no. 1, pp. 118–146, 2019. https://doi.org/10.1108/itp-03-2018-0142
[13] Y. Masuda, A. Zimmerman, M. Viswanathan, M. Bass, O. Nakamura, and S. Yamamoto, "Adaptive enterprise architecture for the digital healthcare industry: A digital platform for drug development," *Information*, vol. 12, no. 67, pp. 1–26, 2021. https://doi.org/10.3390/info12020067
[14] J. C. Merideth, W. Bandara, and D. O'Neill, "Process portfolio management for enhanced digital readiness: Insights from a large Australian bank," in *Proc. 41st Int. Conf. Information Systems (ICIS 2020)*, 2020. https://aisel.aisnet.org/icis2020/practice_is_research/practice_is_research/4/
[15] E. Niemi and S. Pekkola, "The benefits of enterprise architecture in organizational transformation," *Business Information Systems Engineering*, vol. 62, pp. 585–597, 2020. https://doi.org/10.1007/s12599-019-00605-3
[16] Project Management Institute, *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*, 7th ed., Newtown Square, PA: Project Management Institute, 2021.
[17] Prosci, "Definition of change management." https://www.prosci.com/resources/articles/definition-of-change-management
[18] T. Widjaja and R. W. Gregory, "Monitoring the complexity of IT architectures: Design principles and an IT artifact," *J. Assoc. Inf. Syst.*, vol. 21, no. 3, pp. 664–694, 2020. https://doi.org/10.17705/1jais.00616
[19] J. Clark, S. Dyson, and J. Zagerman, "Change Management and Adaptation for Enterprise Architecture Practitioner," Harrisburg Univ. of Science and Technology, PA, Sep. 29, 2021.