



JOURNAL OF GENERATIVE AI IN PUBLIC SECTOR

VOLUME 1 | ISSUE 1 | AUGUST 2025

ISSN 2995-6366

Table of Contents

Launch Editorial.....	3
About the American Institute of Artificial Intelligence.....	4
Mission.....	5
Framework.....	6
Timing.....	7
Audience.....	8
Article Types.....	8
Editorial Philosophy.....	9
Vision for Impact.....	9
Join us to make a difference.....	10

Launch Editorial

Dr. Al Naqvi, Editor-in-Chief

Welcome to the inaugural issue of the *Journal of Generative AI in the Public Sector*. We find ourselves at a historic inflection point – an era defined not only by the rapid rise of artificial intelligence, but also by an overwhelming surge of narratives, claims, and hype surrounding it. The line between substance and spectacle has blurred, and for many in the public sector, this creates a cognitive battlefield where clarity is scarce and strategic direction is elusive. Ironically, AI itself contributes to this ambiguity: generative models amplify noise, simulate expertise, and can inadvertently distort decision-making environments they were designed to enhance.

Public institutions, caught in the crossfire, are under immense pressure. On one side, the imperatives of governance and ethics demand caution, restraint, and oversight. On the other, there is a relentless push for aggressive adoption – often framed in existential terms: adopt or perish. This duality places government agencies in a paradoxical bind, forced to embrace a technology they are simultaneously warned to regulate. In this context, thoughtful scholarship and domain-specific inquiry are not luxuries – they are necessities. This journal aims to provide precisely that: a space for grounded, policy-relevant, technically sophisticated dialogue on the strategic, operational, and ethical implications of generative AI in the public sector.

Amid the accelerating pace of change, public sector missions are being disrupted, and institutional clarity is giving way to confusion. Decision-makers, program managers, and technologists alike are navigating an environment in flux – one where even competitors and adversaries are recalibrating their postures under the same generative AI fervor. Yet within this storm of activity, there remains a striking scarcity of thoughtful, balanced analysis. The discourse is largely

dominated at both extremes: on one side, popular narratives celebrating superficial use cases and commercial success stories; on the other, technically dense publications rooted in advanced mathematics and architectural abstraction, inaccessible to most practitioners and policymakers.

What is urgently needed is a middle path: a journal that is rigorous yet accessible, deeply informed but grounded in practice – a platform that engages technical, strategic, and ethical dimensions of GenAI not as isolated curiosities but as integrated elements of real-world public missions. The *Journal of Generative AI in the Public Sector* was created to fill that void. Our aim is to focus not simply on *how* GenAI works, but on *what it enables*, *where it fits*, and *why it matters* – specifically within the vital context of governance, defense, diplomacy, intelligence, public service, and national resilience.

A recent report from Stanford suggested that as many as 95% of AI projects in the private sector are failing to meet their objectives. While this data point reflects commercial implementations, it should serve as a serious warning for public institutions. Unlike the public sector, private enterprises typically enjoy greater agility in procurement, governance, and internal reconfiguration – making them structurally more capable of rapid course correction. If even the most adaptable organizations are struggling with successful AI adoption, it stands to reason that the public sector, often bound by bureaucratic inertia, compliance frameworks, and mission complexity, faces even steeper odds.

This observation is not meant to discourage AI adoption in government – but rather to sharpen our attention to the *quality* of that adoption. It underscores the necessity for a more thoughtful approach: one that goes beyond checklists, procurement cycles, or vendor promises. The public sector must invest in intellectual readiness, architectural foresight, and adaptive capacity – not just technology acquisition. This journal is intended as a forum to support that deeper work.

About the American Institute of Artificial Intelligence

It is with great pride that we launch this journal under the auspices of the *American Institute of Artificial Intelligence (AIAI)*. Headquartered in the Washington D.C. metropolitan area, AIAI has long stood at the intersection of government and commercial innovation in AI. Founded in 2016 – at a time when the artificial

intelligence revolution was still underestimated by many – AIAI anticipated the transformational trajectory that AI would have on institutions, economies, and global strategy.

Since its inception, AIAI has remained dedicated to developing not just solutions, but entire fields of applied AI. From crafting original bodies of knowledge to advising governments and Fortune 100 companies, the institute has pioneered frameworks and curricula that treat AI not as a narrow technical skillset but as a multidimensional force reshaping the foundations of policy, public service, and institutional design. The launch of this journal represents a continuation of that mission: to deepen the understanding of generative AI's impact – particularly as it reshapes the public sector landscape.

Mission

The mission of this journal is to equip the public sector with **actionable, applied insights** into generative AI – insights that go beyond abstract theory or vendor hype, and instead support *responsible, impactful, and mission-aligned adoption*. We seek to create a **critical bridge between policy and implementation**, grounding every issue in the realities of operational constraints, institutional mandates, and the evolving geopolitical and technological landscape. Through research-based visions and solution-oriented articles, we aim to illuminate how generative AI can serve – not destabilize – public missions.

The Journal of Generative AI in the Public Sector will be published on a **quarterly basis**, with each issue addressing a distinct constellation of challenges and opportunities. In addition to our regular features, we are proud to include in every issue a **dedicated article on quantum technologies** – an emerging field that intersects profoundly with the future of AI, encryption, and national security. This recurring inclusion reflects our commitment to horizon scanning and intellectual preparedness in the face of exponential technological change.

We are also proud to introduce a significant shift in the norms of academic publishing – one that reflects the very subject matter this journal engages with. *The Journal of Generative AI in the Public Sector* will accept submissions that are authored with the assistance of large language models (LLMs), provided that the work is **supervised, directed, and owned by a human author**. In our view, restricting the use of such tools in the name of tradition is no different from

forcing people to ride horse-drawn buggies in the age of the automobile. It is not only inefficient – it is unjust to progress.

We recognize that LLMs, when used thoughtfully, can enhance clarity, accelerate writing, and expand productivity without compromising originality. What matters is that the **core intellectual contributions – research ideas, argumentation, and sourcing – remain the author’s own**. Our editorial policy does not treat LLM use as a barrier to publication; instead, it reflects the evolving reality of how knowledge is produced. As long as the work is responsible, transparent, and anchored in genuine insight, we welcome it – regardless of whether an LLM played a supporting role in its composition.

Framework

The classification framework adopted by the *Journal of Generative AI in the Public Sector* reflects a deliberate effort to move beyond high-level sectoral generalizations and instead **mirror the actual operational architecture of government itself**. Rather than organizing content solely by academic discipline or technical domain, we have constructed a taxonomy grounded in **agency functions, mission mandates, and institutional responsibilities**. This approach ensures that our journal speaks directly to the needs of practitioners, policy leaders, and researchers who operate within the concrete realities of public administration. By aligning GenAI application areas with domains such as tax administration, immigration, transportation, democratic integrity, and urban planning, we acknowledge that AI’s public impact will unfold not just in theory, but within **the workflows, pressures, and constraints of government agencies**. This function-centered structure allows for targeted inquiry, facilitates contribution from domain experts, and ensures coverage of both strategic and day-to-day use cases across the entire public sector spectrum.

Domain	Coverage Focus
1. Policy & Regulation	Governance, accountability, foresight
2. National Security	Defense, intelligence, cybersecurity

3. Foreign Affairs	Diplomacy, multilateralism, data sovereignty
4. Justice & Law	Courts, policing, legal systems
5. Civilian Agency Missions	Citizen services, welfare, emergency management
6. Revenue & Finance	Tax, procurement, fraud, forecasting
7. Health & Human Services	Epidemiology, clinical NLP, benefits eligibility
8. Education & Workforce	GenAI in curriculum, skilling, digital tutors
9. Environment & Infrastructure	Climate modeling, smart grids, predictive maintenance
10. Transportation & Logistics	Urban mobility, postal ops, fleet optimization
11. Immigration & Borders	Entry systems, refugee systems, global mobility
12. Democracy & Civic Trust	Voting, misinformation, engagement tools
13. Urban Systems & Planning	Housing, zoning, land-use simulation
14. Archives & Culture	Preservation, access, digital restoration
15. Internal Ops & Cross-Agency Enablement	Document automation, knowledge management, workforce agents

Timing

We launch this journal at a time of extraordinary urgency and consequence. The convergence of **generative artificial intelligence**, **public governance**, **geopolitical realignment**, and **ethical uncertainty** marks a generational inflection point for public institutions worldwide. Unlike prior waves of technological innovation, generative AI does not merely improve how agencies operate – it challenges the very **identity**, **legitimacy**, and **authority** of those institutions. Governments are no longer being asked whether to adopt AI, but rather **how fast**, **how deeply**, and

at what cost to public trust. The dual challenge of transformation and accountability places public servants in a precarious position: to harness a technology they do not fully control, in service of missions that cannot afford to fail. In this volatile and noisy landscape, the public sector requires more than tools – it needs **intellectual infrastructure**. It needs forums that are not bound by technical novelty alone, but by a commitment to responsible application, strategic foresight, and institutional resilience. *The Journal of Generative AI in the Public Sector* is created in precisely this spirit – to bring clarity, discipline, and direction to one of the most consequential public transformations of our time.

Audience

The *Journal of Generative AI in the Public Sector* is intentionally designed as a **transdisciplinary platform**, engaging a diverse but interconnected community of readers and contributors. Our core audience includes **public sector technologists** tasked with implementing AI systems within operational constraints; **policy professionals and regulators** navigating the boundaries of governance, risk, and innovation; and **mission owners and program managers** seeking practical frameworks for integrating GenAI into critical services. We also speak directly to the **defense and intelligence community**, where generative systems increasingly shape threat modeling, strategic planning, and autonomous operations. At the same time, the journal invites engagement from **academic researchers**, particularly those in applied AI, public administration, and computational policy, as well as **ethics and governance specialists** focused on responsible AI use in complex institutional environments.

We believe that no single discipline, agency, or perspective can fully capture the implications of generative AI. That is why this journal is structured to **bridge practice and theory, policy and engineering, mission execution and strategic design**. Whether you're building systems, shaping policy, allocating resources, or asking hard questions about AI's role in society, this journal is for you.

Article Types

To serve the breadth of its audience and fulfill its mission, the *Journal of Generative AI in the Public Sector* welcomes a diverse range of submission types. We invite **original research articles** that contribute empirical, technical, or theoretical insight into the application of generative AI in public systems. We also

encourage **conceptual essays** that reflect on the evolving relationship between GenAI, institutions, and governance. Recognizing the value of experiential knowledge, we seek **case studies** detailing agency-level implementations, failures, pilot programs, and lessons learned from the field – both domestic and international. To capture the lived expertise of practitioners, the journal also features **interviews with AI leaders** across government, defense, and policy sectors.

In addition, the journal provides space for **visual models, architectural schematics, and policy frameworks** that help translate GenAI concepts into usable tools for decision-makers. Finally, we welcome **policy briefs and practitioner guides** designed to support operational clarity and adoption-readiness for public sector professionals. This range of formats reflects our editorial philosophy: to bridge insight and application, strategy and action, vision and impact.

Editorial Philosophy

At its core, the *Journal of Generative AI in the Public Sector* is committed to an editorial philosophy that balances **rigor with accessibility**. We strive to publish content that is intellectually robust and methodologically sound, while remaining readable and actionable for practitioners, policymakers, and multidisciplinary audiences. We are not interested in hype cycles or shallow success stories – we seek **original insight over trend-driven enthusiasm**, privileging substance, strategic clarity, and real-world applicability. Our editorial process holds deep respect for the principles of **AI ethics, safety, transparency, and accountability**, and we encourage authors to engage critically with the societal, institutional, and human dimensions of GenAI.

Although the journal is based in the United States, we **welcome global perspectives** – particularly when they bring applied relevance and comparative value to pressing public sector challenges. Importantly, we also reserve space for **uncomfortable truths and dissenting views**. We recognize that meaningful progress in public sector AI will require not just consensus, but **constructive debate, diverse methodologies, and honest confrontation with failure**. In that spirit, our editorial vision is one of inquiry, not ideology – and impact, not orthodoxy.

Vision for Impact

We envision this journal not as a passive repository of information, but as an **active platform for shaping how generative AI transforms public institutions**. In a time when so much of the discourse around AI is fragmented, politicized, or commodified, there is a pressing need for a publication that centers the public mission, respects institutional complexity, and upholds the long-term stewardship of democratic systems. *The Journal of Generative AI in the Public Sector* is that forum. We do not simply aim to publish what is happening in GenAI – we aim to help shape what **ought** to happen. Through the collective insight of contributors, reviewers, and readers, this journal will help define the principles, frameworks, and innovations that guide the integration of GenAI into the fabric of public service, national strategy, and civic life.

Join us to make a difference

We warmly invite you to become part of this effort. Whether you are a government official exploring GenAI adoption, a technologist developing public-sector tools, a researcher studying institutional AI dynamics, or a policy expert shaping regulatory frameworks – your insights are needed. We welcome **article submissions, collaborative contributions from government agencies and research labs**, and expressions of interest for **guest-edited issues, roundtable discussions, or special features** on emerging topics. *The Journal of Generative AI in the Public Sector* is more than a publication – it is a **collaborative space for inquiry, dialogue, and impact**. We look forward to shaping the future of public service together, with the best ideas and most dedicated voices from across disciplines and across the world.

The Use Case Illusion: Why the Public Sector's Approach to AI Is Undermining Transformation

By Dr. Ali Naqvi

Abstract

The public sector's prevailing approach to artificial intelligence (AI) emphasizes use cases and pilot projects as indicators of progress. While well-intentioned, this mindset is deeply flawed. Measuring AI maturity through the number of projects undertaken leads to fragmented, siloed automation efforts that lack systemic coherence and fail to deliver strategic transformation. This article argues that the "use case mindset" stems from legacy business process reengineering paradigms and remains fundamentally ill-suited to generative AI and other advanced systems. The goal of AI is not merely task-level automation but the reconfiguration of work itself – both cognitive and physical – across the organizational graph. Public institutions should move beyond linear workflows and embrace models that treat agencies, economies, and even governments as complex adaptive systems. Only through this systems-based lens can GenAI fulfill its potential to increase institutional productivity, responsiveness, and strategic capability. The article concludes with a call to redefine AI strategy away from pilot counting and toward full-system optimization, offering a framework for agencies to escape the use case trap.