

PUBLIC SUBMISSION

Received: May 19, 2025 Tracking No. mav-brf5-yngw Comments Due: May 28, 2025 Submission Type: Web
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Docket: NSF-2025-OGC-0001
NITRD_FRDOC_0001

Comment On: NSF-2025-OGC-0001-0001
Request for Information: Development of a 2025 National Artificial Intelligence Research and Development Strategic Plan

Document: NSF-2025-OGC-0001-DRAFT-0083
Comment on FR Doc # 2025-07332

Submitter Information

Organization: Woglo Holdings

General Comment

Please see attached!
V/R,

Attachments

Response to the Request for Information on the Development of a 2025 National Artificial Intelligence

Response to the Request for Information on the Development of a 2025 National Artificial Intelligence (AI) Research and Development Strategic Plan

Submitted by: Woglo Holdings
Washington, DC
May 2025

Woglo Holdings welcomes this crucial opportunity to contribute to the Office of Science and Technology Policy's (OSTP) Request for Information concerning the development of the 2025 National AI Research and Development Strategic Plan. Our organization is deeply committed to fostering an environment where artificial intelligence innovation is not only rapid and transformative but also fundamentally responsible and inclusive. We believe that the power of AI should be harnessed to drive national progress while simultaneously promoting global equity and upholding democratic values. Our work spans multiple sectors, including education, emerging technologies, and development economics, providing us with a unique vantage point on the multifaceted impacts and opportunities presented by AI.

The 2025 Strategic Plan arrives at a pivotal moment, as Artificial Intelligence will define the geopolitical landscape of the 21st century. The speed of AI development necessitates a proactive, adaptive, and comprehensive national strategy that anticipates future breakthroughs and challenges. At stake is not only technological leadership but the power to shape global norms and values, particularly as the U.S. navigates a strategic competition with nations like China over this defining technology. This plan is therefore not merely a research agenda; it is a foundational document that will guide how the United States asserts leadership grounded in both ambitious vision and profound responsibility, ensuring that AI serves humanity's best interests and safeguards a future built on freedom, not control. It must address how the U.S. will maintain its edge in an environment where other nations are rapidly scaling their AI capabilities, sometimes in ways that challenge democratic principles.

Artificial Intelligence stands at an inflection point where its profound technological advances must be deliberately and thoughtfully aligned with fundamental human values, democratic principles, and ethical considerations. The potential benefits of AI are immense, ranging from breakthroughs in healthcare and climate science to revolutions in productivity and education. However, unchecked or misaligned AI development also poses significant risks, including algorithmic bias, job displacement, erosion of privacy, and new security threats. Furthermore, the strategic use of AI by competitor nations as a tool for authoritarian control, domestic repression, and the export of surveillance-based governance models underscores the urgency. Therefore, the National AI R&D Strategic Plan must embody a nuanced understanding that extends beyond scientific and technological frontiers to encompass robust ethical stewardship, proactive workforce impact assessments, a coherent approach to international governance and collaboration, and a clear strategy for national security. Our recommendations are informed by rigorous research, analysis of international best practices, and extensive engagement with a diverse array of stakeholders.

Woglo Holdings offers the following key recommendations:

1. The 2025 Strategic Plan should adopt a dual-focus approach, built upon two fundamental and interconnected pillars: vigorously supporting domestic AI research and development to maintain and extend U.S. leadership, and proactively engaging on the international stage to champion democratic AI governance. Fostering a vibrant domestic AI ecosystem involves scaled and sustained public AI investment, boosting federal R&D, and creating national AI testbeds that bridge academia, industry, and government. Priorities should include next-generation AI algorithms, hardware, and data infrastructure, as well as ensuring U.S. defense and intelligence agencies can ethically deploy cutting-edge AI tools to maintain strategic superiority. Furthermore, fostering talent through robust STEM education pipelines, immigration reform to attract global researchers, supporting AI startups, and encouraging cross-sector collaboration are vital components. Simultaneously, proactive international collaboration and standards-setting are essential. AI is a global phenomenon, and U.S. leadership will be strengthened by active participation in international dialogues. This includes working with allies and partners to establish common principles for trustworthy AI, championing democratic AI governance globally, developing shared technical standards for safety and interoperability, forming alliances to counter the global export of AI models that enable digital authoritarianism and mass surveillance (such as those promoted via initiatives like China's Digital Silk Road), and coordinating on research addressing global challenges. This dual focus is critically important for both public and private sectors to ensure U.S. technological leadership, national security, and economic prosperity, while promoting a global environment where AI reflects liberty.
2. It is imperative to address emerging risks with a tiered, risk-based framework as AI systems become more powerful. This allows for targeted interventions proportionate to the level of risk, considering both inherent technological risks and those arising from malicious use or strategic competition. Understanding the spectrum of AI risks is key; these are diverse, ranging from unintended bias, privacy violations, and cybersecurity vulnerabilities to systemic risks associated with advanced AI impacting critical infrastructure, economic stability, societal control, and national security. We encourage adapting proven frameworks for AI governance, similar to those in the EU AI Act, to categorize AI systems based on risk levels. High-risk AI systems, especially in critical sectors and General Purpose AI models, would face stringent requirements for transparency, data quality, human oversight, robustness, and accuracy. Such frameworks must be dynamic and responsive to the rapidly evolving capabilities and deployment contexts of AI, including its use by strategic competitors. A clear, risk-based framework is critical for building public trust and for providing regulatory clarity that enables responsible innovation.
3. Investment in ethical and inclusive AI is another cornerstone, ensuring these technologies are fair, transparent, accountable, and uphold democratic values. Development and deployment must be guided by a strong commitment to ethical principles such as fairness, transparency, accountability, privacy, security, safety, and human oversight, especially when considering applications in sensitive areas like national security. These principles should be translated into actionable guidelines and technical standards, with investment in research for "explainable AI" (XAI), bias detection and mitigation, and privacy-enhancing technologies (PETs). Ensuring fairness, transparency, and accountability involves proactive measures to mitigate biases, making systems explainable, and establishing clear

lines of responsibility. Sector-specific ethical considerations, including the responsible use of AI in defense and intelligence, are vital. Public-private partnerships can facilitate the adoption of ethical AI practices, ensuring that U.S. AI development, even for strategic purposes, remains aligned with core human values.

4. The strategic plan should advance AI for societal good and global equity, actively directing AI's transformative power towards pressing societal challenges, showcasing a positive alternative to authoritarian uses of AI. This involves identifying high-impact areas for AI intervention, such as climate resilience, healthcare, education, and poverty reduction. Supporting open-source initiatives and global access is crucial to maximize societal benefits, promote equity, and demonstrate the U.S. commitment to a democratized AI landscape. The role of public and private investment in driving equitable outcomes is a shared responsibility, fostering collaborations to harness AI effectively for the betterment of society.
5. To ensure reliability and safety, the plan must promote transparent AI benchmarks and safety testing. This is crucial for evaluating AI capabilities, limitations, and risks, particularly for advanced AI models that could have significant societal or strategic impact. There is a need for standardized evaluation that goes beyond capability measurement to include fairness, robustness against adversarial attacks, and ethical alignment. Developing robust mechanisms for safety and reliability, including "stress testing" and red-teaming, is key. Building confidence in AI systems across sectors through transparent benchmarks and rigorous safety testing is essential for both public and private adoption and for maintaining trust in U.S.-developed AI.
6. The strategic plan should support U.S. companies navigating global AI regulations and competitive landscapes. The complex landscape of international AI governance and the aggressive industrial policies of competitor nations pose challenges. Fostering interoperability where possible, reducing compliance burdens, and providing strategic support to U.S. industry are necessary. The U.S. government should actively engage in dialogues to promote regulatory approaches that align with democratic values and U.S. interests, ensuring U.S. competitiveness and leadership are maintained.

Our vision for a globally aligned, responsible AI future recognizes that AI innovation occurs in a global context defined by both collaboration and intense competition. Geopolitical alignment on AI governance is a pressing necessity, especially as nations like China promote an alternative model of AI utilization for digital authoritarianism, exporting surveillance technologies through initiatives like the Digital Silk Road. Without concerted international efforts to establish shared democratic norms and ethical frameworks, we risk a future characterized by regulatory fragmentation, "AI nationalism," and a potential race to the bottom on safety and ethical standards, ceding influence to those who see AI as a tool for repression. Woglo Holdings strongly recommends proactive transatlantic and transpacific research partnerships, emphasizing shared ethical AI frameworks and common approaches to risk. The United States should take a leading role in convening a global forum dedicated to AI risk standards and safety protocols for advanced AI, fostering transparency and working to prevent a destabilizing AI arms race, while promoting equitable access to AI benefits.

Woglo Holdings also suggests consideration of additional areas for strategic focus:

Workforce development and AI literacy are paramount. This includes preparing the future workforce for AI transformation by investing robustly in STEM education from K-12 through higher education, supporting reskilling and upskilling programs for the existing workforce, fostering apprenticeships, and pursuing immigration reforms designed to attract and retain global AI researchers and talent. Promoting public understanding of AI's capabilities, limitations, and societal implications, including the geopolitical stakes, is crucial.

Fostering public-private partnerships for accelerated and responsible AI advancement is another key area. The plan should outline models for effective collaboration, leveraging the agility and market insights of the private sector with the long-term research focus and public mission of government and academia to accelerate AI R&D and its translation into beneficial and strategically important applications.

Data governance and infrastructure for AI are also critical. This involves ensuring access to high-quality data and promoting robust data infrastructure. Alongside access, strong data governance frameworks championing privacy-enhancing technologies (PETs) and robust cybersecurity are paramount.

A new critical area for strategic focus must be securing critical AI supply chains. This involves strengthening export controls where necessary and actively incentivizing domestic and allied production of key AI components, particularly advanced semiconductors and related hardware, to reduce vulnerabilities and ensure a resilient supply chain for U.S. AI development and national security needs.

Finally, measuring success and enabling the iterative improvement of the National AI Strategy is essential. This requires defining key performance indicators (KPIs) related to AI research output, talent development, AI adoption rates, investment levels, development of ethical AI tools, public trust, and measures of U.S. competitiveness in the global AI landscape. Mechanisms for review and adaptation must be incorporated.

In conclusion, the United States stands at a unique juncture, possessing the innovative capacity to lead the world in the advancement and governance of Artificial Intelligence—ethically, strategically, and inclusively—to safeguard a world where technology reflects liberty, not tyranny. Realizing this leadership potential requires a vision that transcends mere technological investment and acts with purpose, recognizing that hesitation in this global AI race can have profound consequences. It demands a concerted national commitment to thoughtful regulation, proactive international engagement to shape global norms that favor democratic values, and an unwavering dedication to human-centered innovation. Woglo Holdings firmly believes that by embedding these principles at the heart of its National AI R&D Strategic Plan, the United States can catalyze a more equitable, secure, and prosperous digital future globally. We strongly encourage the OSTP to continue and expand its efforts in fostering robust dialogue with a wide array of stakeholders.

We thank the Office of Science and Technology Policy for this invaluable opportunity to provide input and reaffirm Woglo Holdings' steadfast commitment to contributing our expertise and resources towards building a responsible and beneficial AI future for all.

Respectfully submitted,
Woglo Holdings
Washington, DC
May 2025