



Policy Briefing for Fabric

Recommendations for an International AI Use Case Taxonomy and Registry

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Building a Foundation for Trustworthy AI Use Cases around the World

While the rapid integration of artificial intelligence (AI) into society is undeniable, a critical knowledge gap exists: we lack a shared, empirical understanding of how AI systems are governed in practice. We, the Fabric project, have produced a publicly available repository of real-world AI use cases to move beyond touting abstract principles and towards documenting the concrete governance mechanisms in use. Our research, detailed in "[Documenting Deployment with Fabric: A Repository of Real-World AI Governance](#)" ([AAAI/ACM AIES 2025](#)), identifies distinct patterns of governance "Human Oversight" and "Institutional Oversight" (e.g., internal policies, standards, and regulations). This brief leverages our findings to propose three key policy actions governments can take to build a future of trustworthy AI based on real-world evidence.

Recommendations for Evidence-Based AI Policy

1. Foster National Competitiveness by Supporting a Public-Private AI Use Case Registry.

Effective national AI strategy requires a clear view of how AI is being deployed across the economy. Our research shows this knowledge is currently siloed. A multi-national AI use case registry, built as a public-private partnership, would provide an aggregated, anonymized view of the AI landscape. It would allow policymakers to identify innovation hotspots, anticipate infrastructure needs, and design R&D funding that targets real-world gaps, informed by the actual governance patterns we have started to catalogue.

We recommend that governments:

- Formally endorse and provide seed funding for independent, non-profit, academic-led AI use case registries.
- Create "safe harbor" incentives for organizations to contribute anonymized data on their AI systems and governance practices.
- Create and refine AI policies, national strategies, and public investments that integrate insights from the registry.

2. Build Public Trust by Operationalizing "Patterns of Oversight."

Our findings reveal that AI governance is not monolithic. It is a combination of *Human Oversight* (from fully autonomous to human-led systems) and *Institutional Oversight* (from ad-hoc practices to binding regulation). Today, there is no standard way to describe these crucial "patterns of oversight," yet organizations look for best practice to help inform their development. This ambiguity makes it difficult for organizations to demonstrate due diligence and for regulators to perform effective oversight. A standardized taxonomy, derived from real-world evidence like the Fabric repository, would create this common language.

We recommend that governments:

- Champion the development of a standardized taxonomy for AI "patterns of oversight," in partnership with academia, industry, and civil society.
- Incentivize or mandate the use of such a taxonomy in public sector AI procurement to create a clear demand signal for transparent governance.
- Encourage national standards bodies and regulators to adopt the taxonomy as a basis for guidance, risk assessment, and compliance frameworks.

3. Drive Global Alignment on AI Policy through International Collaboration.

AI is a global phenomenon, yet regulatory approaches are fragmented. To avoid a "race to the bottom" and reduce compliance friction, nations must build policy on a shared foundation of empirical evidence. A global, machine-readable repository of AI use cases provides this foundation. It enables international partners to learn from a diverse, global pool of experience; like the 20 use cases from the public, private, and non-profit sectors already in Fabric; and co-develop interoperable regulatory frameworks based on how AI is actually governed.

We recommend that governments:

- Actively participate in and promote international initiatives, like the Fabric project, in forums such as the OECD, GPAI, and the UN.
- Dedicate resources to ensure the AI taxonomy and registry are adaptable to diverse legal and cultural contexts, including major global population centers (e.g. India, Kenya, Brazil, UAE, and South Africa).
- Champion policies that support cross-border data flows for collaborative, non-profit research on AI safety and governance.

A Call for Participation

An AI use case registry is critical public infrastructure for a secure and prosperous 21st century. This vital infrastructure, like our roads and power grids, requires deliberate investment, thoughtful design, and clear vision. The Fabric project is building this resource, but the success of this long-term endeavor depends on broad participation. We invite policymakers, technology leaders, and civil societies to collaborate with us. By participating in its development, through the contribution of anonymized use cases and the continued exploration of novel oversight systems, you can help build

this vital global resource while gaining comparative insights into emerging best practices in AI governance.

To learn more or to participate, please contact the Fabric research team at the University of Cambridge via usb20@cam.ac.uk.