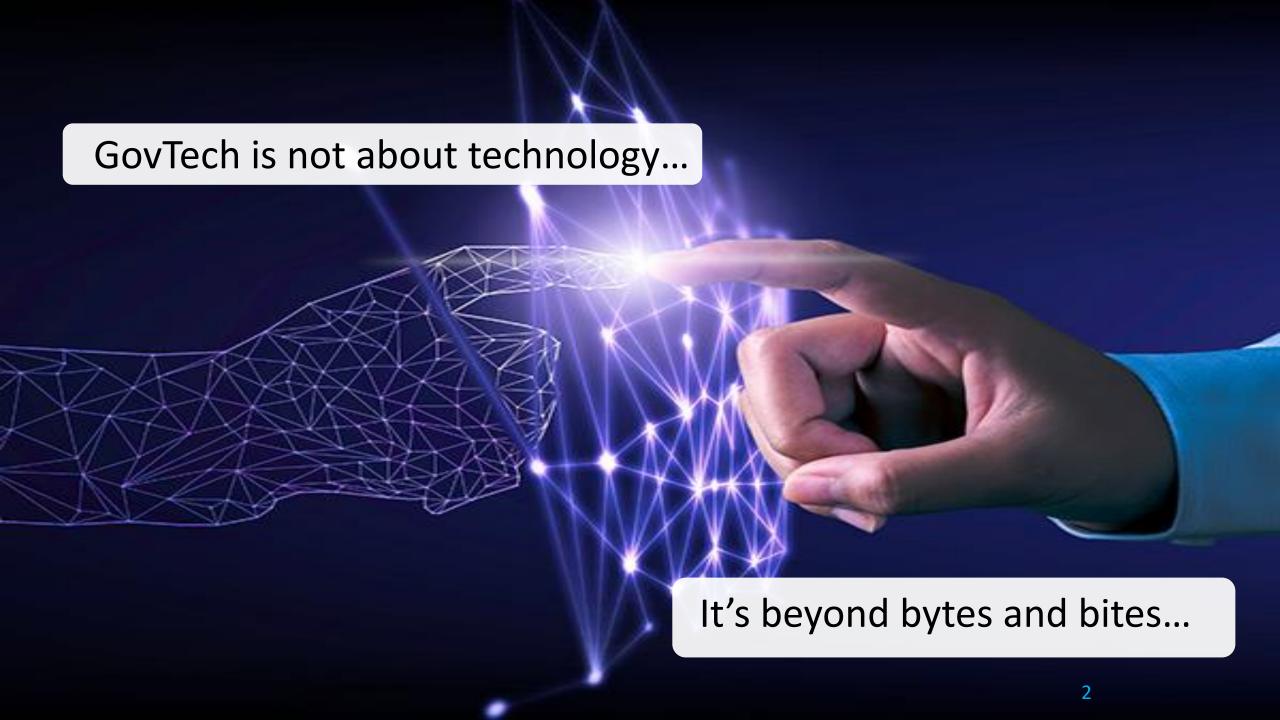


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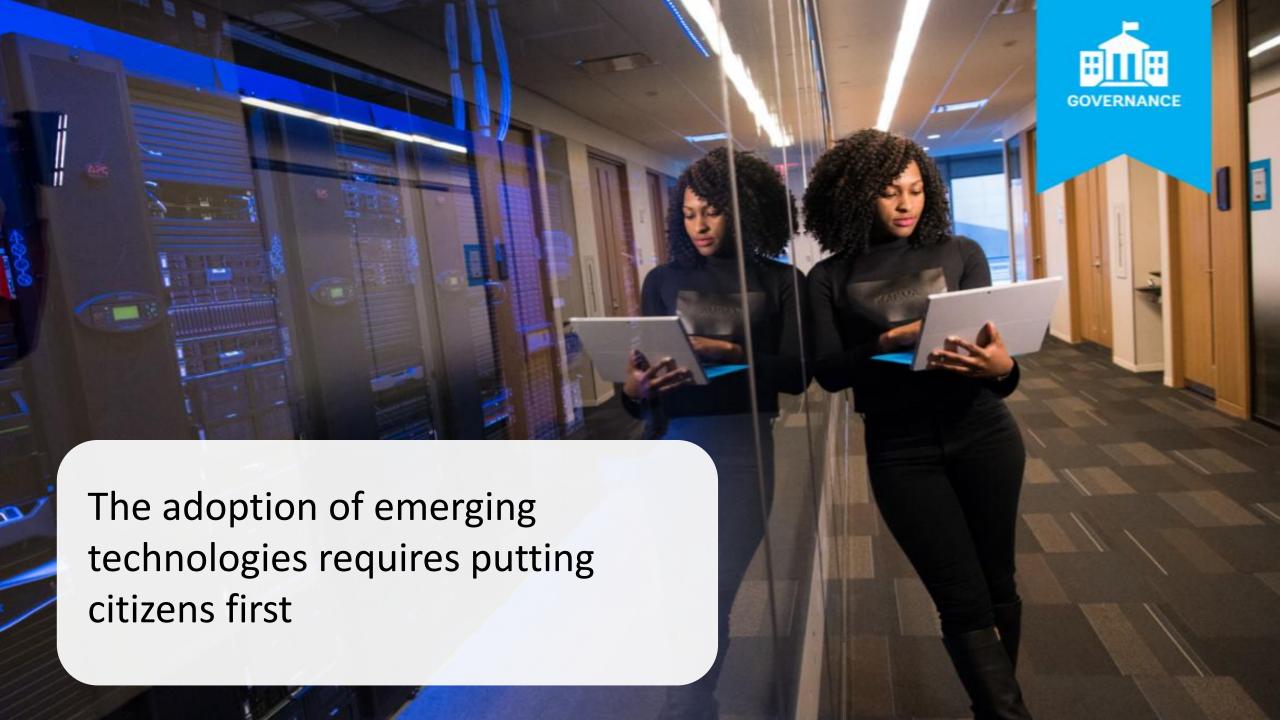














Analytical Work



World Bank report focused on mapping experiences of the use of AI in the Public Sector, identifying opportunities and risks



The potential

Emerging technologies have the potential to transform governments. Can be used for:

- Personalized service delivery experience
- Improve efficiency of back-end processes
- Strengthen policy compliance and aid in the identification of fraud

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Main Challenges



- Lack of leadership, awareness
- Inadequate policies, legislation and incentives for emerging technologies
- Insufficient digital data and other digital infrastructure
- Lack of digital talent and skill



BRAZIL

Al System that identifies 225 red flags of potential fraud in public procurement processes and can help improve expenditures. World Bank Partnering with City of Sao Paulo, the States of Rio de Janeiro and Mato Grosso, and the Federal Ministry of Health.





NIGERIA

Mobile app on citizen engagement called DataCrowd that uses Al-powered image classifier, Al-powered geofencing and Al-powered opinion mining and sentiment analyzer.



SINGAPORE

Bot MD is an AI Chatbot mobile app that acts like 'google' for hospital and clinical information for doctors and frontline health workers.





UNITED KINGDOM

DoNotPay, touted as the world's first robot lawyer, helps users dispute parking tickets. In one month post-launch, DoNoPay.com helped people overturn 160,000 of 250,000 parking tickets—a success rate of 64 percent (King, n.d.). DoNotPay has now expanded its offerings to airline ticketing disputes and subscriptions.



Country Examples

UNITED STATES

The U.S. General Services Administration (GSA) has an Office of Governmentwide Policy, which developed a new pilot using AI for scanning bidding documents to determine regulatory compliance.





CANADA

Al for audit to maximize efficiency, minimize the costs of audit work, and enhance the coverage of audit procedures. It analyses contracts and presents potential anomalies for further human investigations.



GEORGIA

Al tool to select the cases for tax audit. A prototype developed with WB's piloted on anonymized data provided by the Georgia Revenue Service (GRS). The model identified potential tax evaders with a 63% accuracy rate, surpassing the effectiveness of traditional rule-based or manual selection methods.





ARMENIA

Al tool to detect tax evasion among business and individuals. It analyses data on import and storage; and performs the cross match between sales and invoices to detect anomalies and suspicious cases which trigger tax audit. Using targeted audits tax administration reduced the total number of audits by about 2,5 times over recent years.



AZERBAIJAN

- Azerbaijan Artificial Intelligence Lab, under the Ministry of Digital Development and Transportation (AAI, https://ailab.az/).
- Ministry of Digital Development and Transportation (MDDT) with WB's support conducted Data Governance Assessment in 2023 and currently is developing Data Governance Strategy. MDDT is also planning to develop the AI Strategy this year.
- Al in justice: Piloting of two Al solutions. The first solution focuses on supporting judges and lawyers in quality decision-making virtual judge assistant) with the focus on commercial cases. The second Al solution facilitates access to justice and judicial literacy. It aims to provide primary legal aid, regardless of a person's physical location while taking into account varying degrees of computer literacy across Azerbaijan.







Al Governance: main elements

- Leadership agency
- Whole-of-government architecture and approach
- Data governance and AI strategies, policies and standards
- Interoperability and data exchange
- Partnership with private sector and academia
- Al operation framework





Component	Description
Ideate	The problem statement is produced in detail. The statement is agnostic to technology.
Conceptualize	The project manager coordinates discussions between small and medi-um enterprises and Al experts.
Propose	A detailed proposal is prepared. It contains the problem statement, po-tential solution options, and a checklist with a brief description of each to ensure alignment with legal, policy, and ethics risks, mitigation action, and expected results. A separate section on data sources is critical. Management approves.
Develop a prototype	The project manager ensures technology teams work together with Small and Medium Enterprises (SMEs) seamlessly to develop a proof of concept. A prototype visualizes the solution with or without code.
Test	SMEs and technical teams test the system.
Develop and deploy	The system is developed full scale, tested again, and deployed for oper-ational use. It is also integrated with the environment.



Al can harm! failure to address ethical consideration leads to public mistrust

Three categories of ethical concerns:

- **INEQUALITY** bias in use of algorithms
- **CONTROL** excessive surveillance and misuse of information
- **CONCENTRATION** concertation of power in a few actors





Ethical Principles and Digital Rights



National strategies on AI shall consider:

- > Stimulating awareness and knowledge sharing
- > Strengthening data management
- Building internal capacity
- Learning by doing
- > Ethical and legal framework
- > Funding and procurement







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