



# Global Governance For The AI Economy

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# Two types of GPT at the same time



Generative Pretrained Transformer



General Purpose Technology

# The “Tech Stack” for Electricity



Manufacturers and users

Appliances

Wiring, switches, and sockets

Transformers and circuit breakers

Electric grids for distribution

Electricity storage

Power generation

Fuels



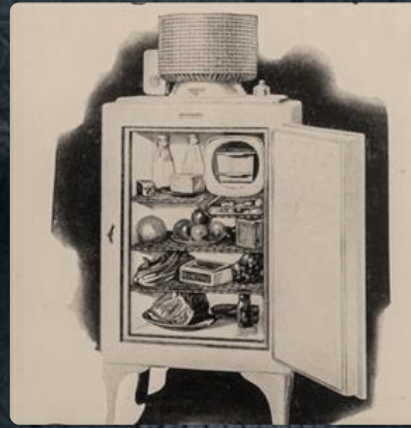
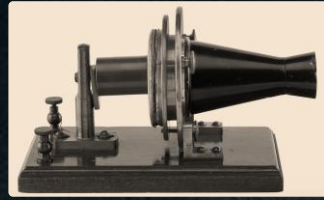
# Capital Intensive Infrastructure



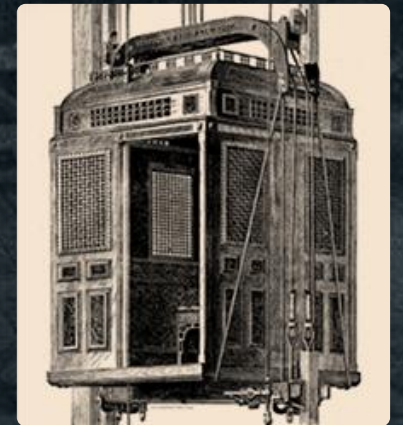
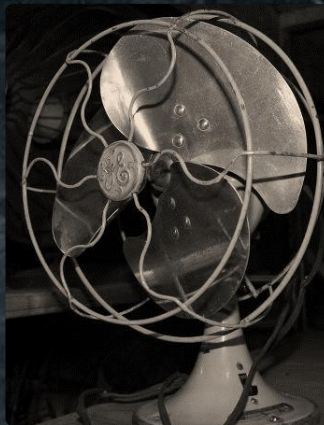
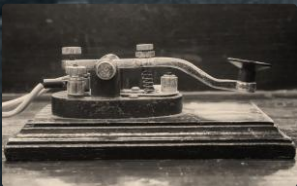
Power plants



Power grids



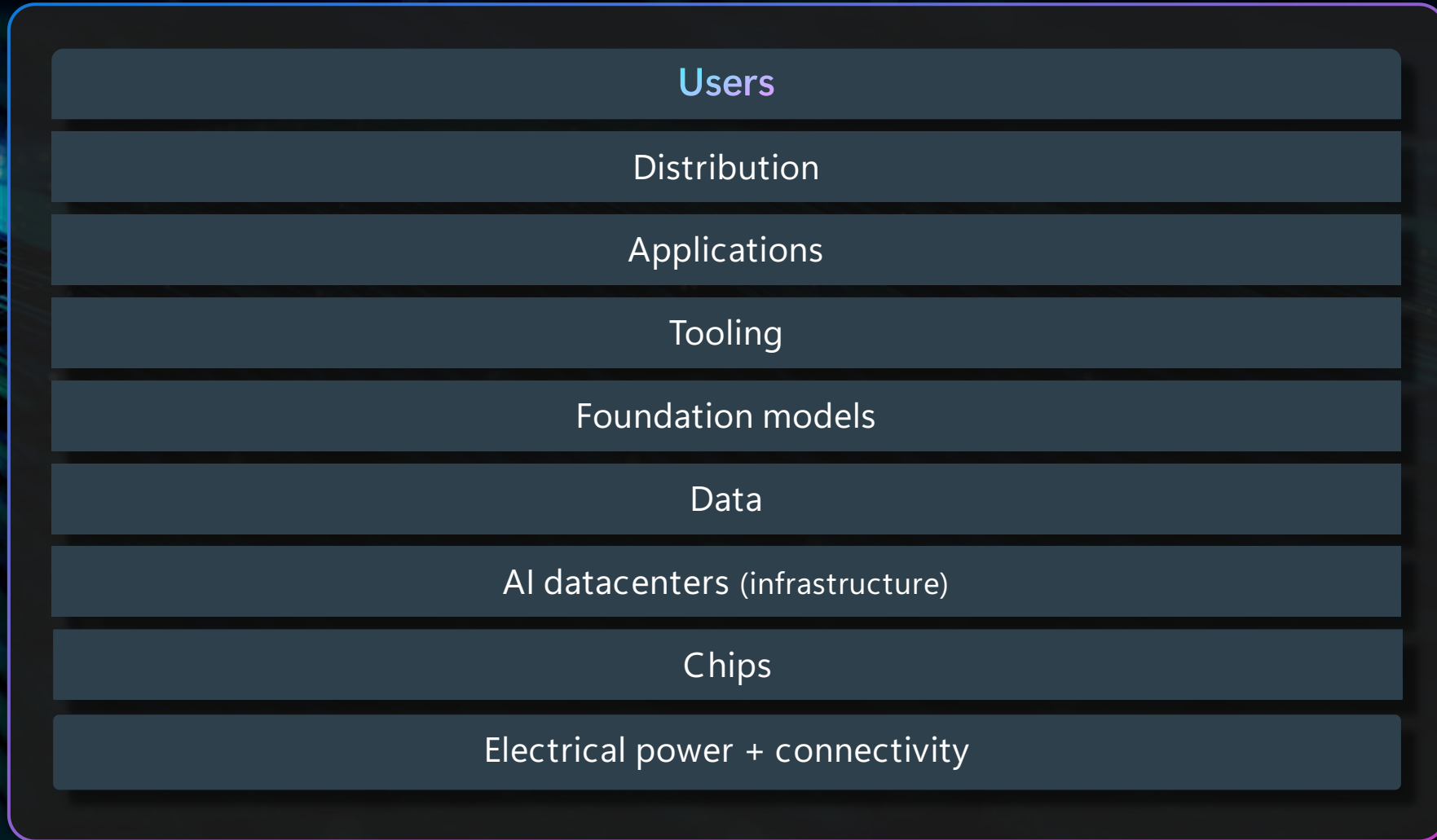
Appliances put electricity to work  
to **make people's lives easier**





# The AI Economy

# The Tech Stack for AI



A photograph of a server room with blue racks and yellow cables. The racks are filled with server units, and the cables are bundled together. The lighting is blue and yellow, creating a high-tech atmosphere.

Increased demand for capital  
intensive investments  
in **new AI infrastructure**

# Investing in Japan's AI economy

Invest \$2.9bn in expanding Japan's AI and cloud infrastructure

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Building Japan's AI capability by training 3 million people

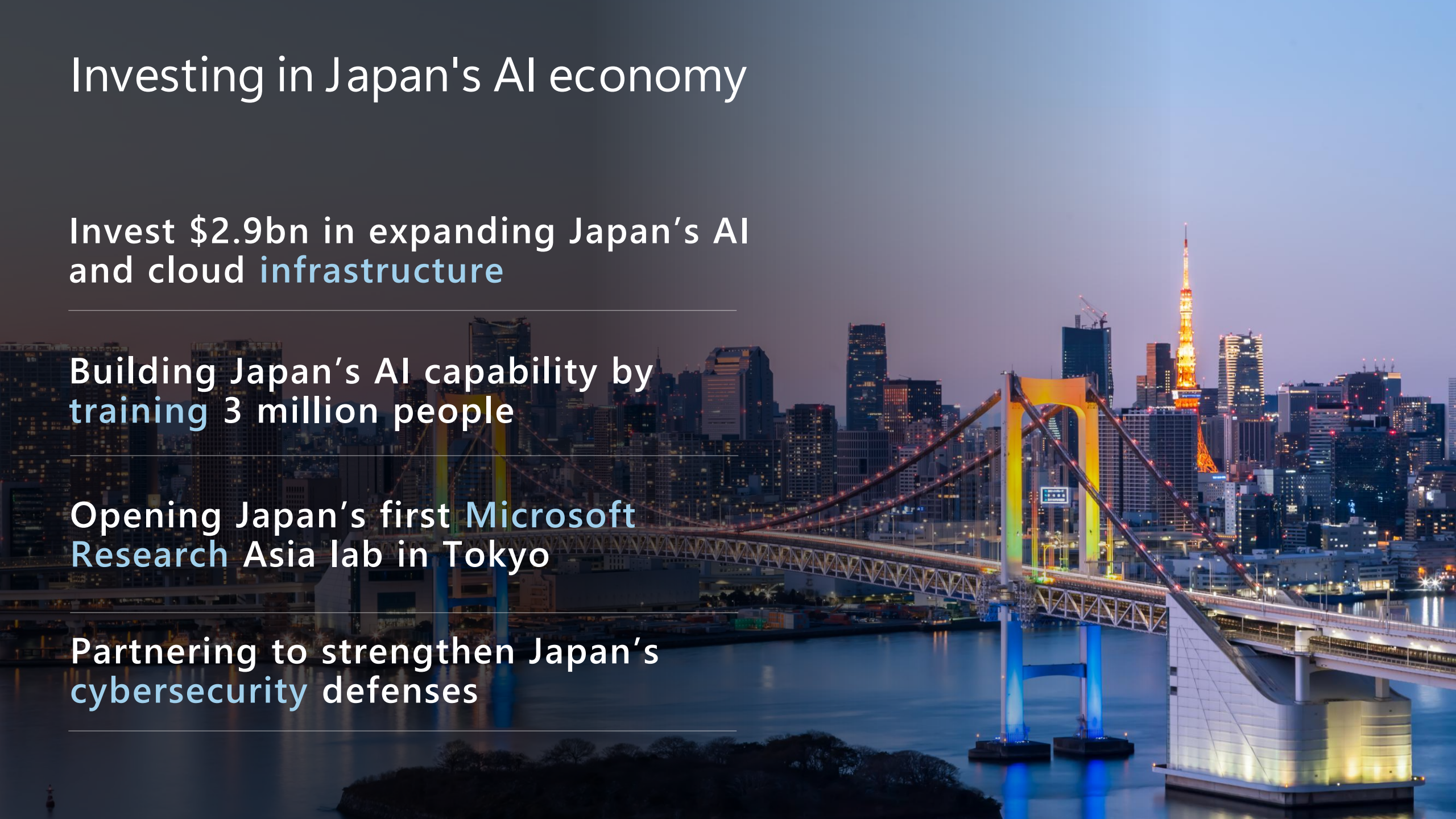
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Opening Japan's first Microsoft Research Asia lab in Tokyo

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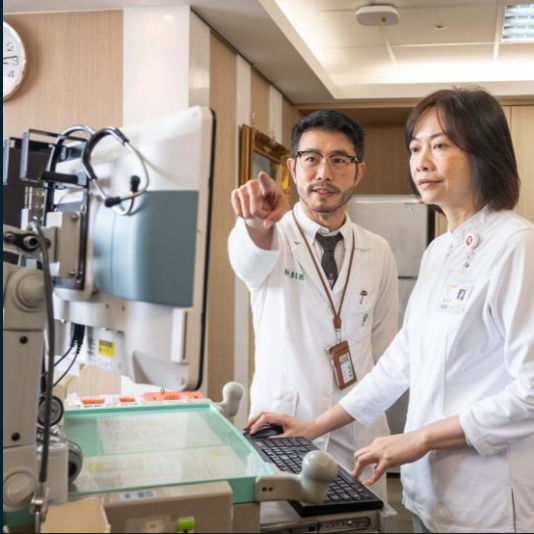
Partnering to strengthen Japan's cybersecurity defenses

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Rapidly growing number of  
foundational and specialized  
AI models

# Realizing the promise of AI-powered applications



Managing healthcare challenges of ageing populations



Supporting teachers and students for better educational outcomes



Optimizing weather forecasts and address natural disasters



Streamlining government service and increasing worker satisfaction

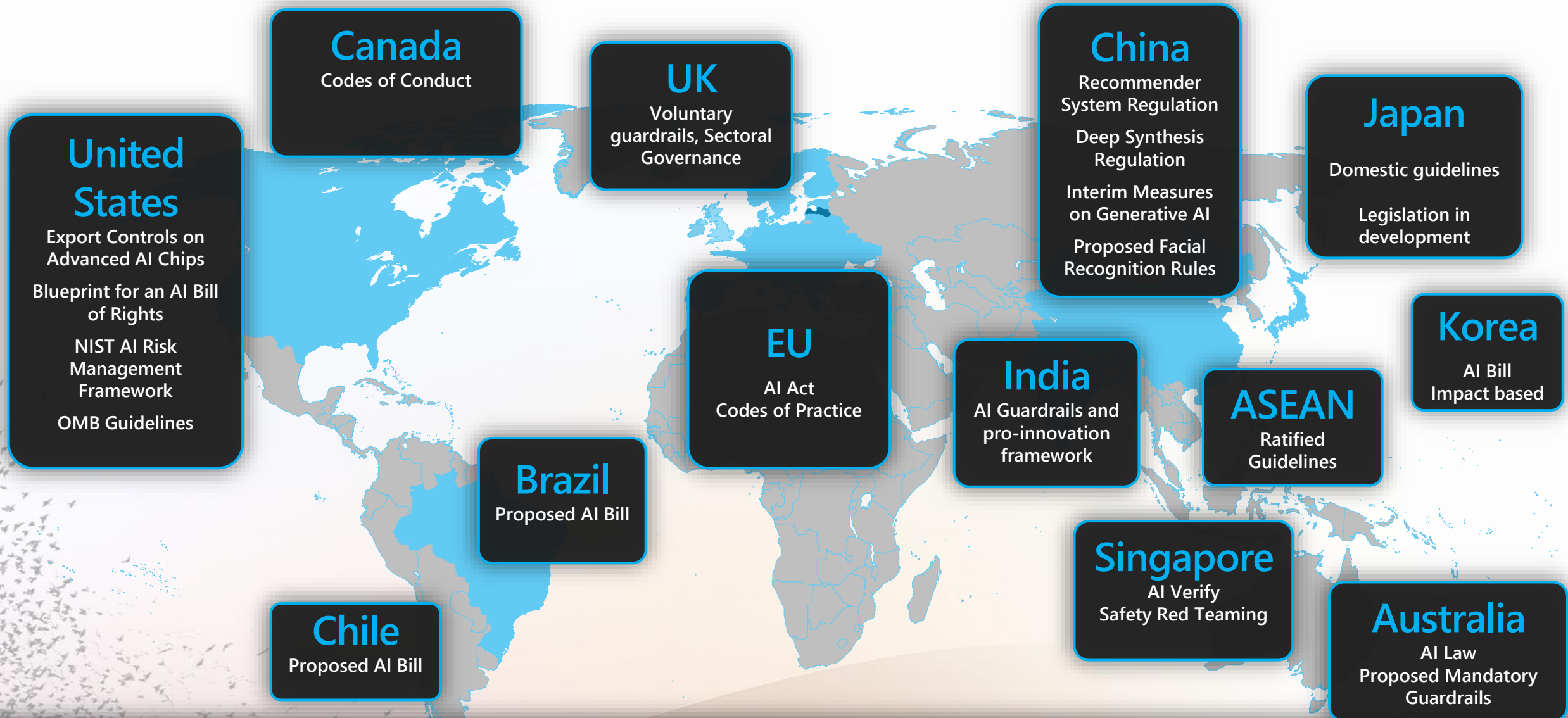
Retaining and  
transferring expert  
knowledge

Toyota's "O-Beya  
(大部屋)" AI agents





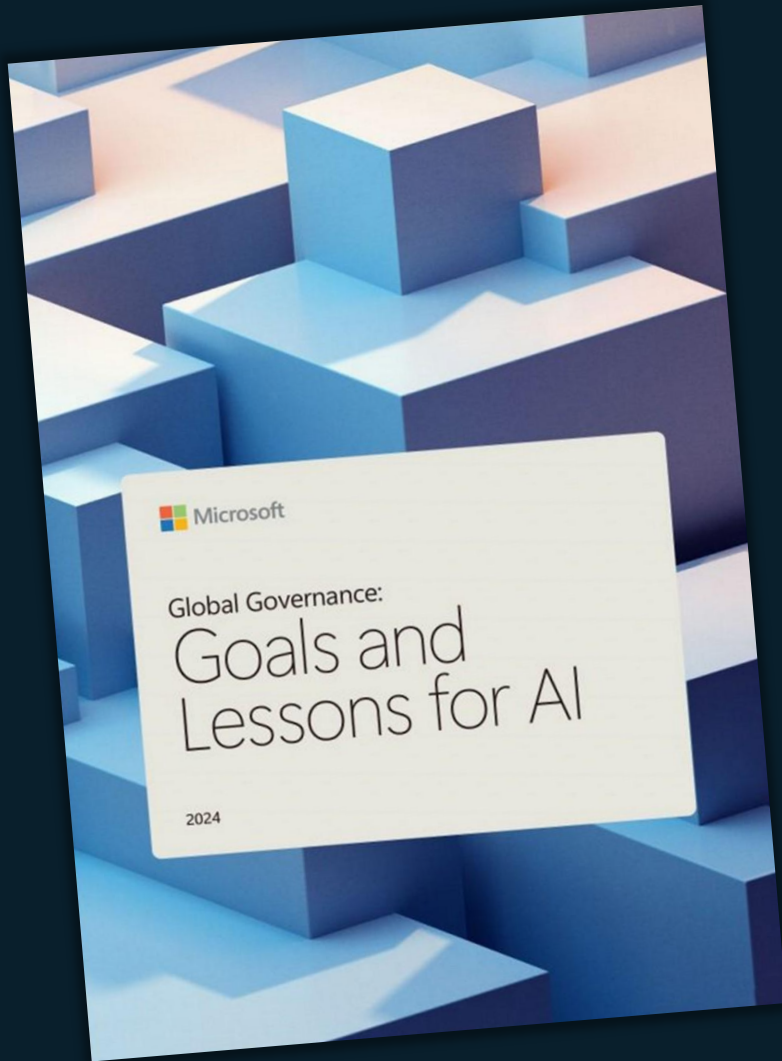
# The Governance of AI



## International Efforts

OECD AI Principles May 2019 | G20 AI Principles Jun 2019 | UNESCO Recommendations on Ethics of AI Nov 2021 | G7 AI Guiding Principles & CoC for Developers Oct 2023, Reporting Framework for Monitoring CoC Jun 2024 | AI Safety Summits – Bletchley Declaration Nov 2023, Seoul Declaration May 2024 | Council of Europe Convention on AI Mar 2024 | UN General Assembly AI Resolutions: Mar 2024 (Safe, Secure & Trustworthy AI), Jul 2024 (AI Access & Inclusive Progress)

# Learnings for interoperable AI governance



ICAO

The International Civil Aviation Organization

CERN

The European Organization for Nuclear Research

IAEA

The International Atomic Energy Agency

IPCC

The Intergovernmental Panel on Climate Change

FSB

The Financial Stability Board

FATF

The Financial Action Task Force

A comparative analysis across domains

# Action on AI beyond the AI Action Summit

- Facilitating cross-border collaboration for transparent reporting
- Enhancing scientific research to better understand AI's impacts
- Promoting the development of open-source AI tools for accessibility
- Building on inclusive progress through the Hiroshima AI Process Friends Group



# Growing the AI economy for Japan – and the world



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