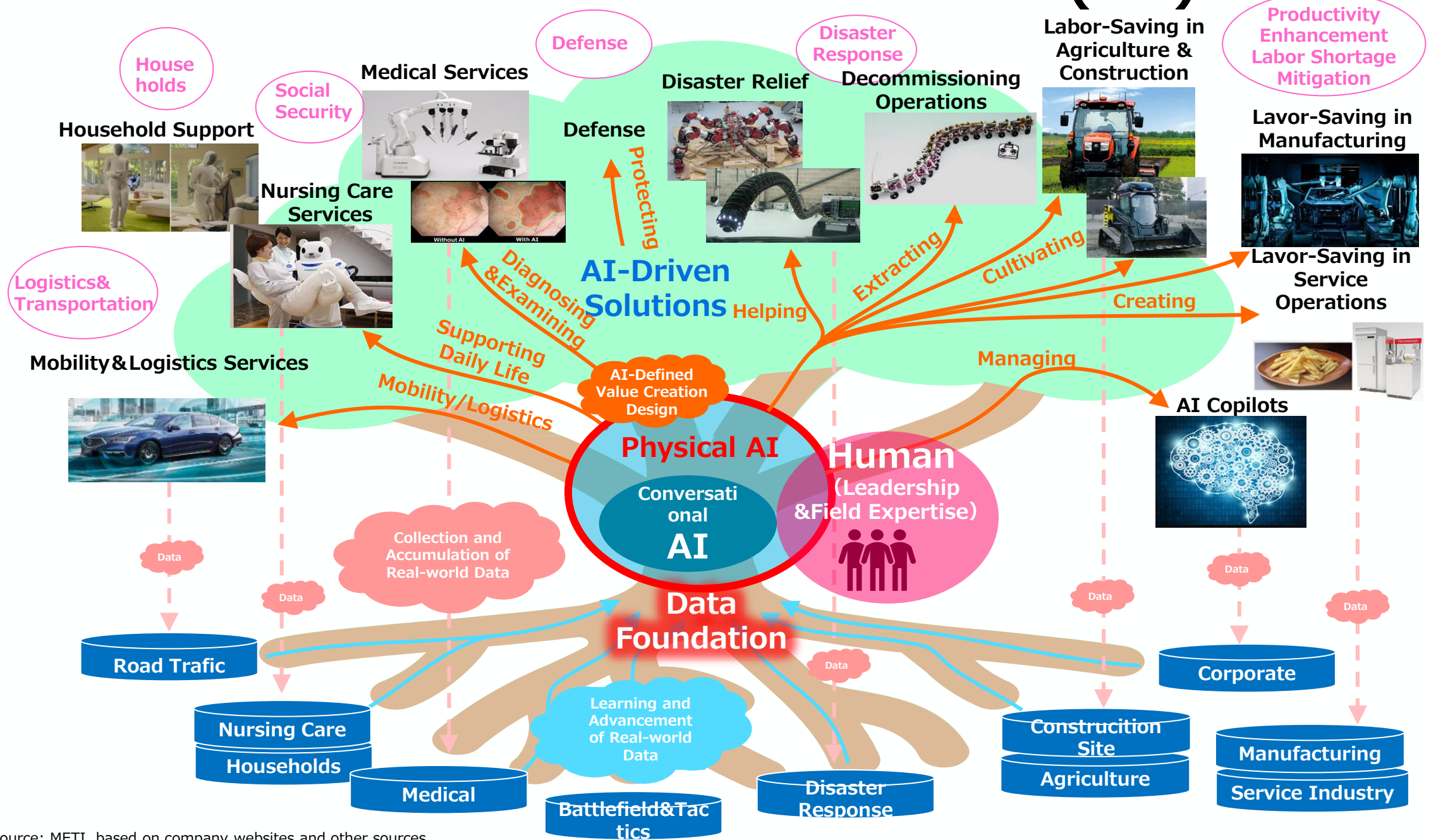


Overview of Initiatives for Physical AI Deployment

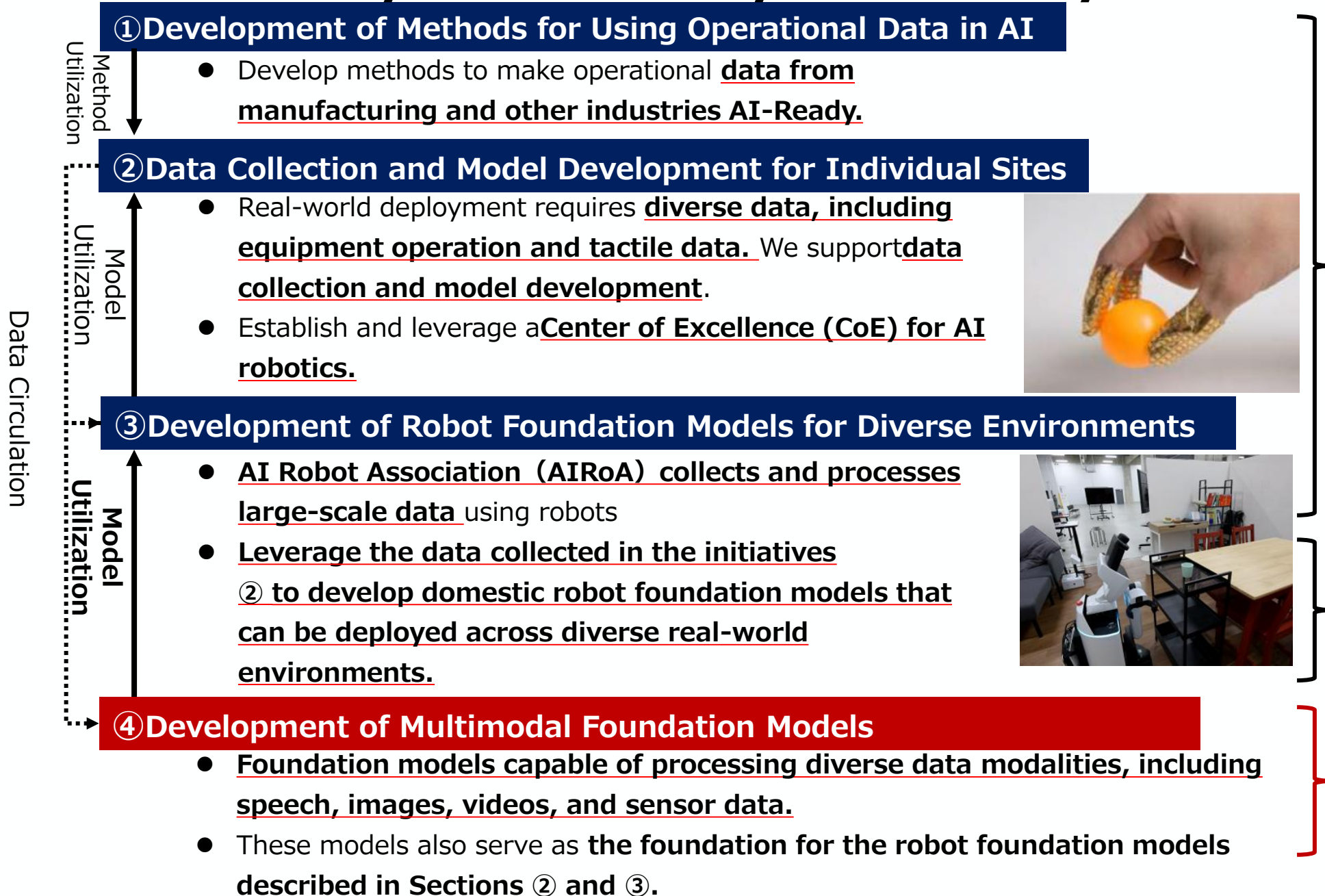
July 16, 2026

Commerce and Information Policy Bureau, METI

Overview of AI Transformation (AX)



The Physical AI Ecosystem: A Key Enabler of AX



GENIA
Generative AI Accelerator Challenge
(2024.2~)

AIRoA
AI Robot Association
(2024.12~)

FRONTia
(2026.7~)

“FRONTia” Project

- “FRONTia” is named after the initials of Foundation for Real-world Omn-Native Trustworthy Intelligence & Alignment, meaning “a trustworthy AI with a natural understanding of the real world.”

The rise of real-world intelligence.



Foundation for Real-world Omni-Native Trustworthy Intelligence & Alignment

AIは情報世界を出て、実世界へ。

いま、より複雑で豊かな現実の中で動き出そうとしている。

その新時代を切り拓く挑戦が、日本からはじまる。

ものづくりの文化、精密さへの情熱、品質への誇り。

技術とともに歩んできたこの国には、

暮らしの中に新技術を密着する、確かな現場力がある。

技術と、文化と、人。

その全てを結集し、

世界の知性とながり、共に創る。

信頼されるAIを、世界へ。

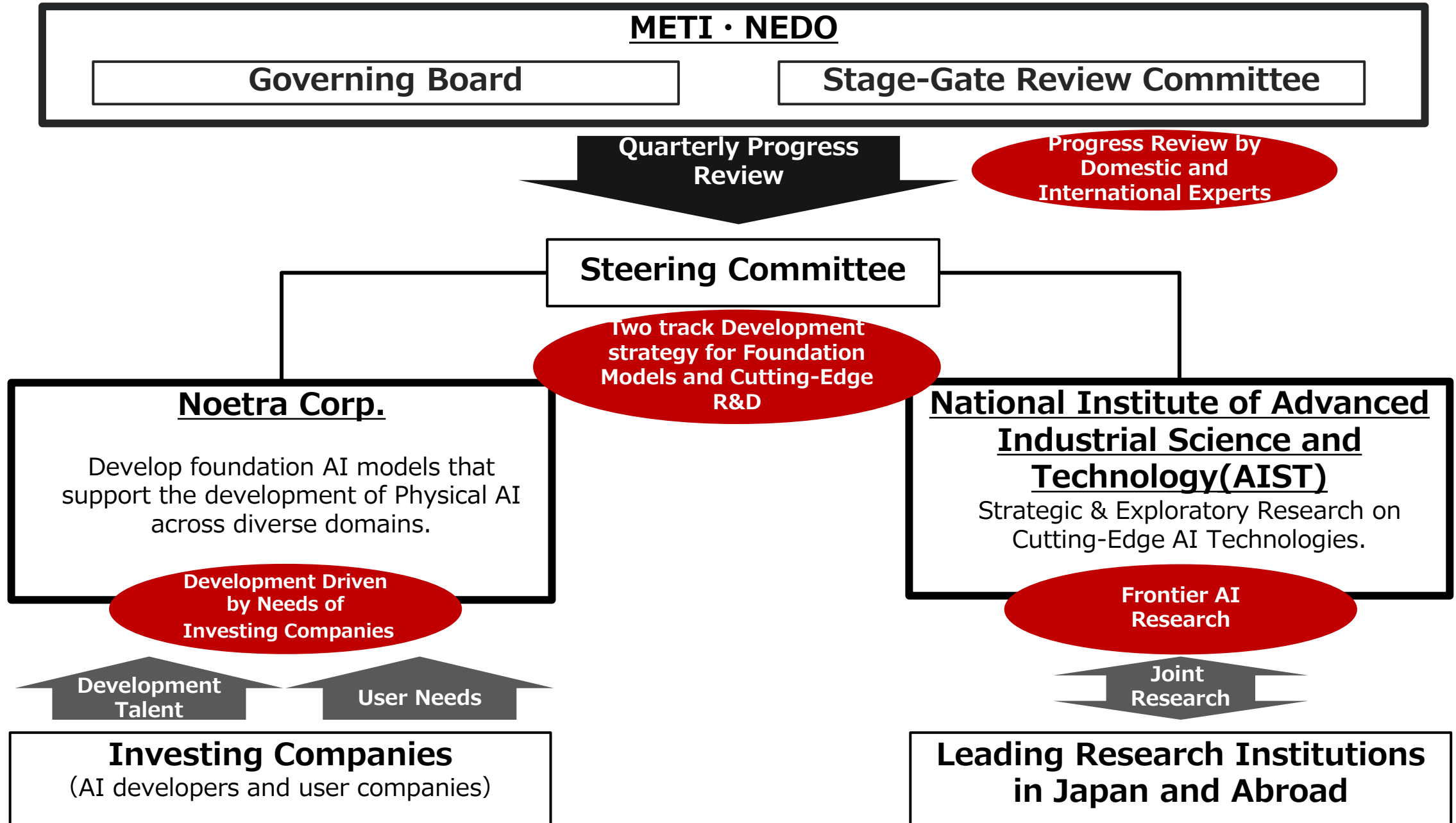
技術の最前線（FRONT）に立ち、人と共にある世界（ia）を拓く。

The rise of real-world intelligence.

FRONTia

English Version
Coming Soon

FRONTia Project Architecture



Training Data Partners

- Partnerships have already been established with the companies below. We will continue to expand the network and leverage a broader range of data.

Development of AI-Ready Methods for Manufacturing and Industrial Data



Development of Manufacturing and Industrial Datasets

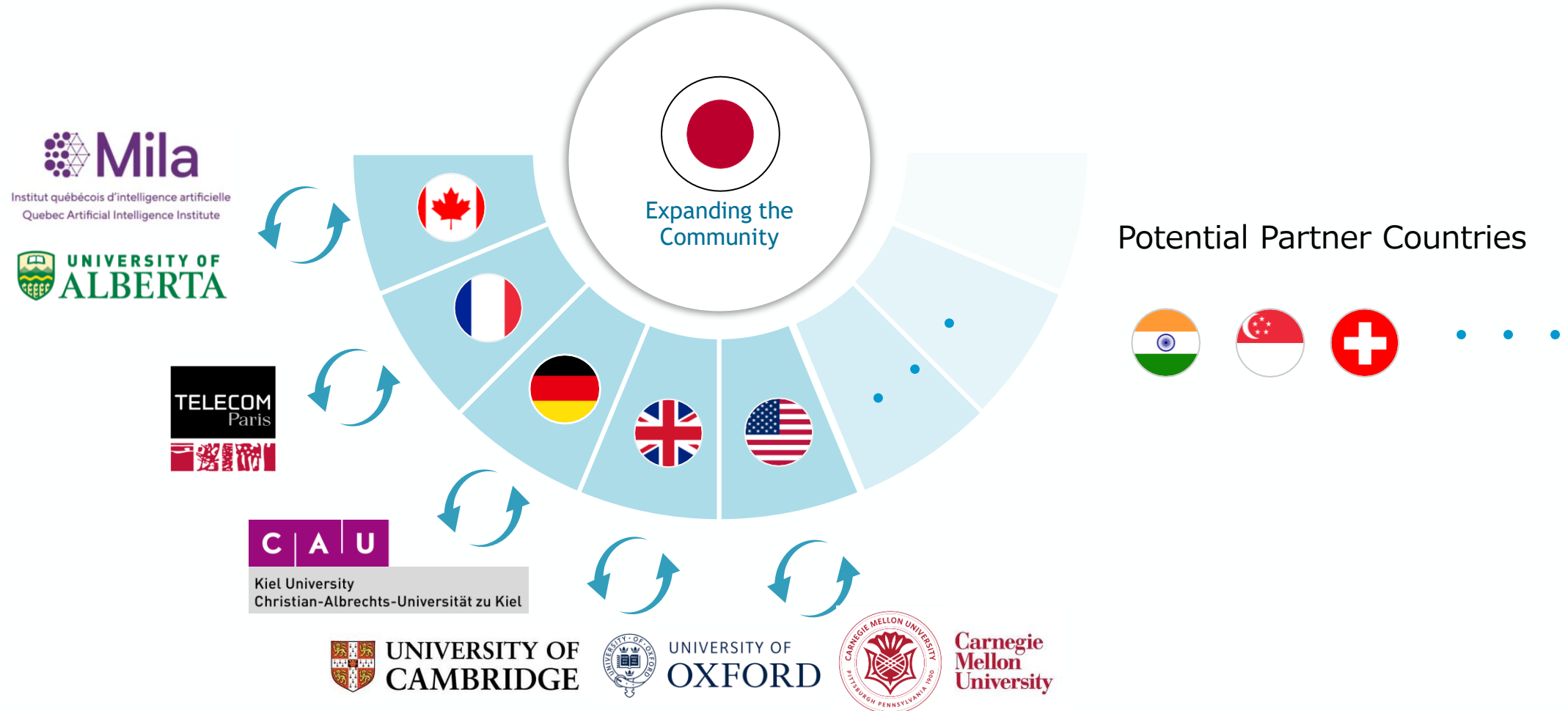


Development of edge AI using tactile data and other sensor inputs



International Collaboration

- Partnering with research institutions in Canada, France, Germany, the UK, and the U.S. to conduct cutting-edge R&D and incorporate the results into model development.
- We will continue to expand our network of collaboration partners.



Overview of Policies for AI Robot Deployment

Deploy 10 Million AI Robots in Japan by 2040 ➡ Address market, regulatory, and technical challenges based on roadmaps across 18 sectors

*18 sectors: Manufacturing (high-mix, low-volume production), shipbuilding, logistics (warehousing and freight transportation), construction and civil engineering, building construction, infrastructure maintenance, retail, hospitality, food service and food manufacturing, healthcare, elderly care, security services, agriculture, forestry, waste management, disaster response, policing, and defense.

