Japan's National Data Strategy and Japan-EU Digital Partnership

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Japan's Data Strategy

- National Data Strategy (June 2021)
- Action Plan for the Development and Collaboration of Public and Private Data in the AI Era (December 2023), which includes:
  - Acceleration of the development of data collaboration infrastructure in the public and the quasi-public sectors, such as healthcare and education sectors, as discussed in the Digital Fiscal Reform Council that was launched last October.
  - In the private sector, support for initiatives such as Ouranos (cf. battery supply chain) and DATA-EX (cf. steal supply chain) from the government's perspective.
  - Secure the international interoperability of data collaboration infrastructure under promotion of DFFT (Data Free Flow with Trust) in global arena.

Japan-EU Digital Partnership

- Conclusion of the Japan-EU Digital Partnership in the Japan-EU Summit (May 2022)
    - Comprehensive framework on digital agendas including semiconductor, 5G/beyond 5G, HPC/quantum computing, cybersecurity, AI, digital connectivity, cooperation on platform business, DFFT and digital identity.
    - Post-EPA framework for both sides together with Japan-EU Green Alliance in the summer of 2021.
    - Important workforce among like-minded countries for strengthening the ties on digital issues together with such as EU-US TTC and IPEF.

Japan-EU Digital Partnership (cont.)

- First meeting of Japan-EU Digital Partnership Council (July 2023, Tokyo)
  - MOUs on semiconductors and submarine cables
  - Concurred to promote bilateral best practices enabling DFFT through the use of eID, Trusted Web, Digital Identity Wallet and Trust Services.
  - Acknowledged the importance to promote data and system interoperability among common European data spaces, the Japan data space established in the Japan National Data Strategy including DATA-EX and the Japanese Ouranos Ecosystem.
  - Next ministerial meeting will be held in 2024.

Overviews: Japan National Data Strategy

Vision | Humancentric society that creates new values through a system where cyberspace and real space are highly integrated (digital twin)

Data strategy architecture

Human resource management / Security

Data strategy architecture	1st release	National Data Strategy
Strategy and Policy	**Philosophy** **Vision** **Principals**	• Principle of the make use of data • Principle of the administrative actions • Roles and functions of public administration
Organization (Public/Private)	**Social implementation and operational reform** Review of business processes from the digital twin point of view	• Promote with a digital government and technology strategy.
Rule (Data governance / Connection)	**Trust framework** Summary of the factors of trust (proof of declaration of intention, publisher certification, existence certification)	• Trust base (establish an authorization scheme) • Sort the points toward construction of the trust base
Service Platform / tools	**Develop platforms** Arrange common rules across sectors Identify items to be studied on the platforms of individual areas (place of public-private study, rules and tools)	• Give shape to the common rules necessary for data coordination and develop tools for this purpose • Organize norms for facilitation of data flow and elimination of hindrances • Construct platforms for the priority areas (disaster prevention, health / health care / care, education, etc.) • Present the concept of a data market
Data	**Base Registries** **Open data** **Data management**	• Designate base registries • Extract issues toward development of base registries and study directions toward their solution. • Strengthen data management and promote open data
Implementation	**Long term Issues** Improve the environment for data utilization Ways of utilization of privately owned data Human resources / international cooperation / infrastructure	
Infrastructure		

Digital infrastructure	• Integrated development of the communication infrastructure (Beyond 5G: results to be presented in Expo 2025 Osaka, Kansai,) computation resources (use of Fugaku and other computer resources by the private sector, semiconductor digital industry strategy), data handling rules, etc.
Human resources and organization	• Personalities needed for data strategy and assignment of Chief Data Officer (CDO)
Security	• Promote Security by Design, construct an environment for safe and secure use of cyberspace.
International deployment	• Collaborate with countries espousing the same concepts and promote DFFT on various platforms (trade, privacy, security, trust base, data utilization and the next-generation infrastructure) • Toward 2023 G7 in Japan

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