

Challenges towards JP-EU Data Ecosystem and Role of Public/Private

12th March 2024

Ichiro AOYAGI

SVP / Co-Head of Solution Service Strategic Unit, Fujitsu
Board Member, Japan Data Management Consortium (JDMC)



Our Purpose

Make the world more sustainable by building trust in society through innovation.



Vertical Areas

4 cross-industry fields to solve societal issues



Sustainable Manufacturing



Consumer Experience



Healthy Living



Trusted Society

Horizontal Areas

3 technology foundations to support cross-industry



Digital Shifts



Business Applications



Hybrid IT

Key Technologies



Computing



Network



AI



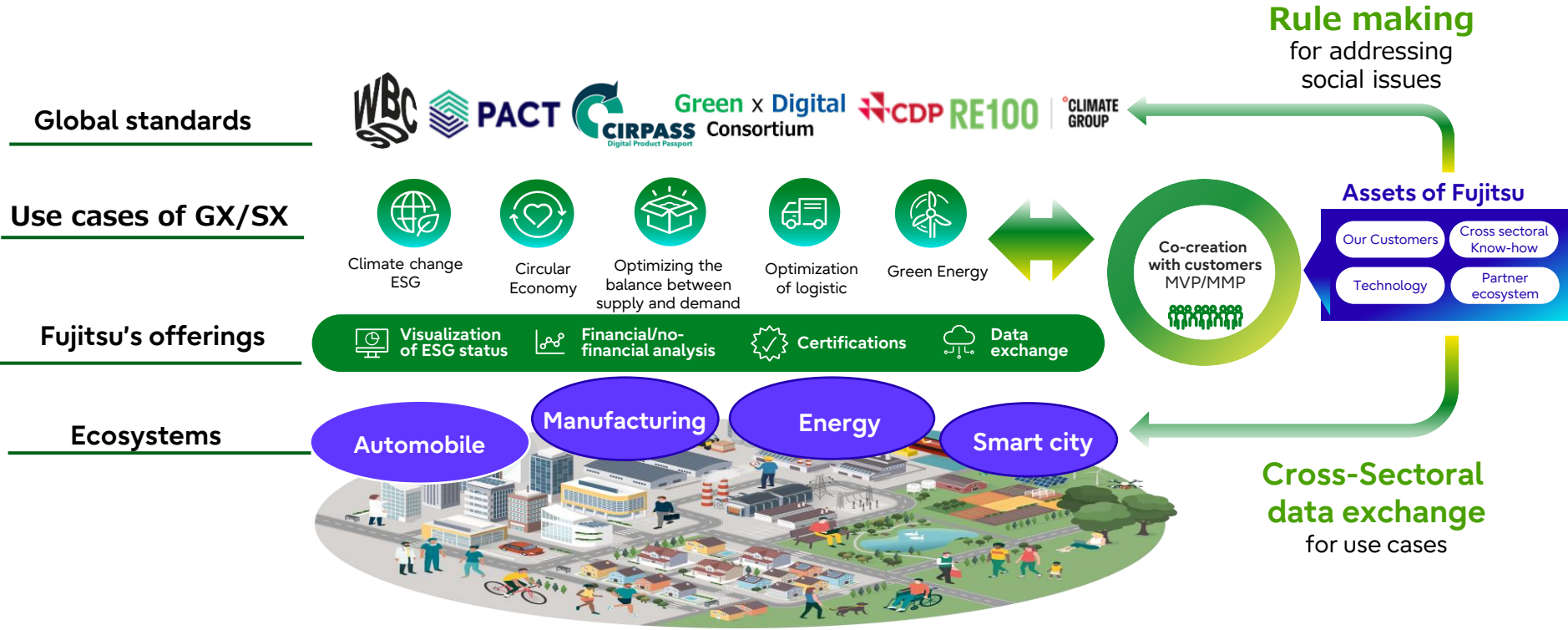
Data & Security



Converging Technologies

Approach to the green transition (GX) of customers

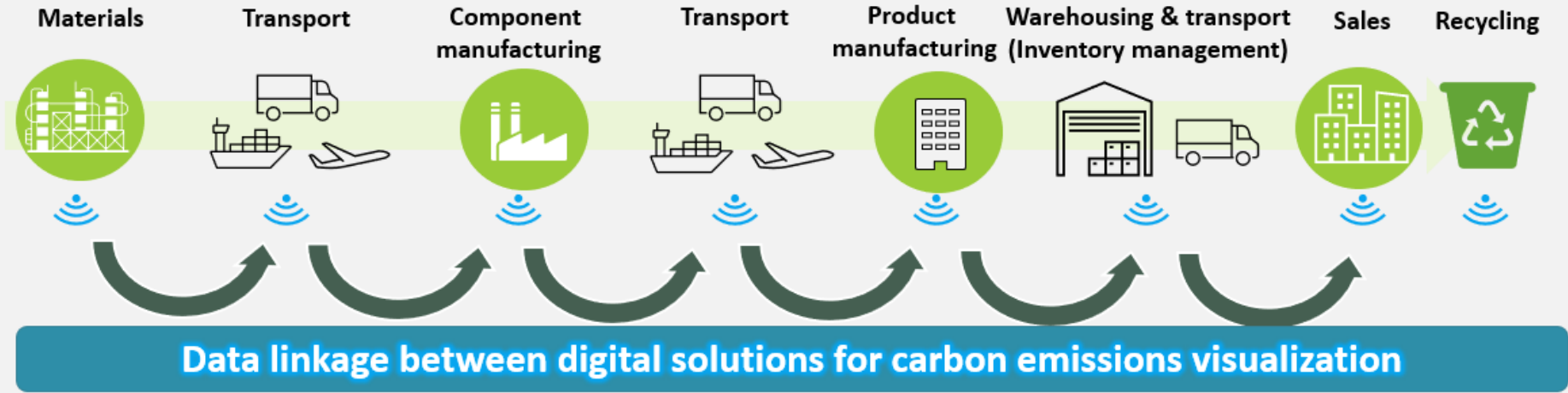
We work with customers to co-create their GX based on global standards



Connect business, governments, consumers with Trust

Toward Carbon Transparency: Data Visualization Project

- ✓ Utilize digital solutions to visualize carbon emissions across the supply chain to accurately gauge GHG Protocol Scope 3 emissions
- ✓ Facilitate engagement between companies to reduce carbon emissions

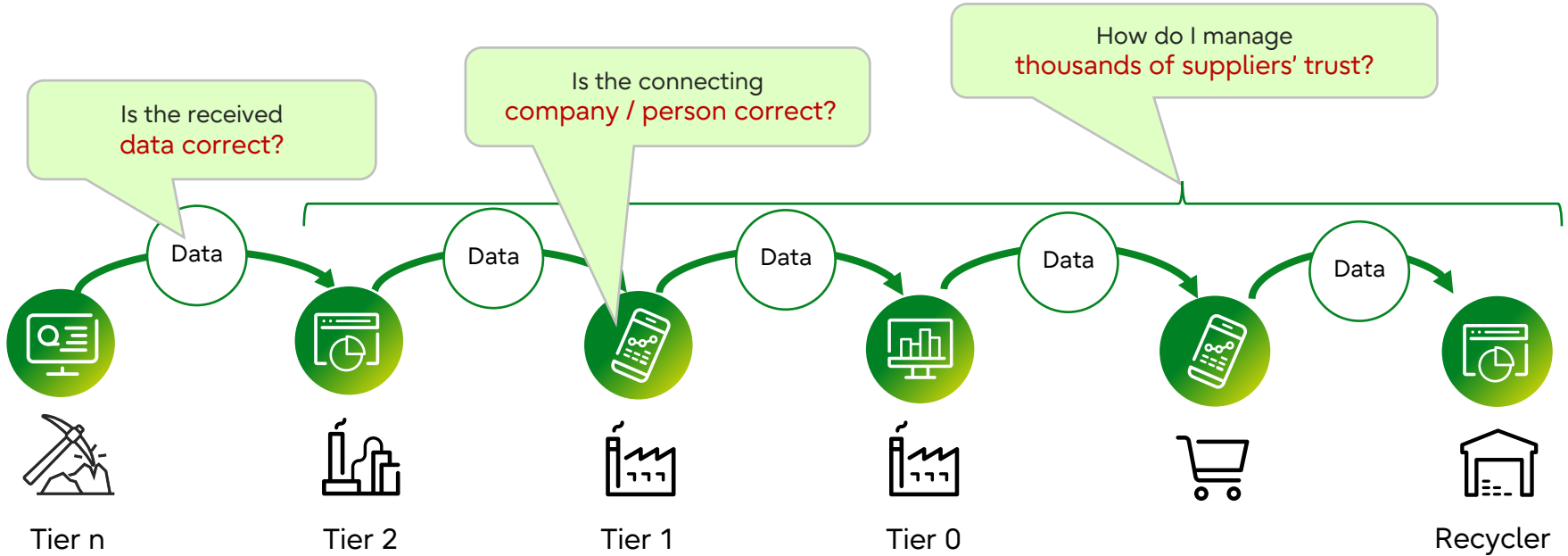


↓
Visualize Scope 3 carbon emissions

- Duration: 04.2022 to 08.2023
- Member:
Rule WG: Mizuho R&T(Leader) w/29 mem.
Data WG: Fujitsu (Leader) w/20 mem.

Challenges on the horizon

Challenge 1 : Digital Trust



Autonomous distributed trust technology allows end-to-end traceability across connected ecosystems.

De-centralized data exchange

Data authenticity

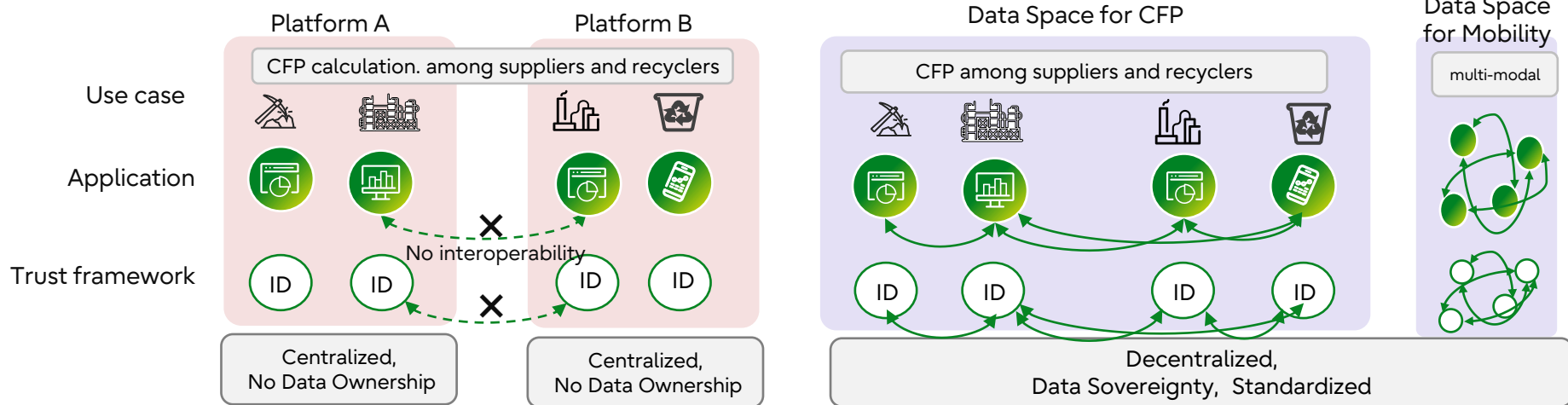
Tamper-proof evidence management



Challenge 2 : Cross enterprise data exchange

Between **centralized platforms**, applications are **not interoperable** and **no data ownership** for data providers

In a **decentralized data space**, applications are **interoperable** among stakeholders with **data sovereignty** for data providers



Europe is fostering dataspaces based on **common rules and standards** to create ecosystems where multiple stakeholders can **exchange their data for their business benefits**

Our engagement to address challenges

Fujitsu is leading several key activities for digital trust.

Trust framework



Recommendations for Trust Infrastructure

Advocate technology implementation and systems for ID and Trust Services to secure trust in business

Trust framework



Lead Trust SWG

Lead discussion on history management and ID systems to enable data exchange across sectors/domains

Trust framework



Contribution to Government initiatives

Contribution to the White Paper and demonstration of use cases with Fujitsu's technologies.

Block Chain



Lead OSS activities

Develop Interconnection technology to connect various blockchain platforms to expand the ecosystem

Data Space

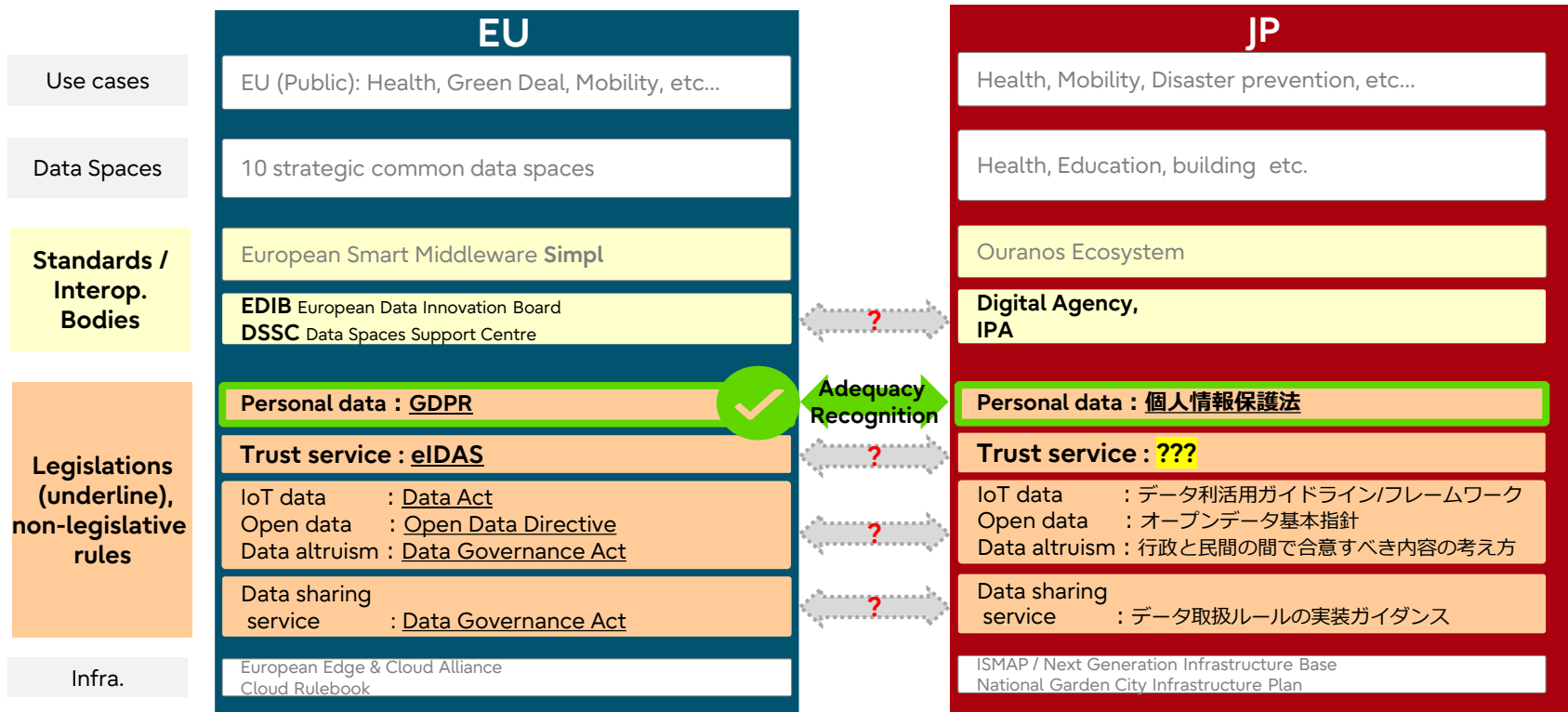


Lead EU-JP data space

Lead development of data space to implement in Japan local environment and comply with rules.

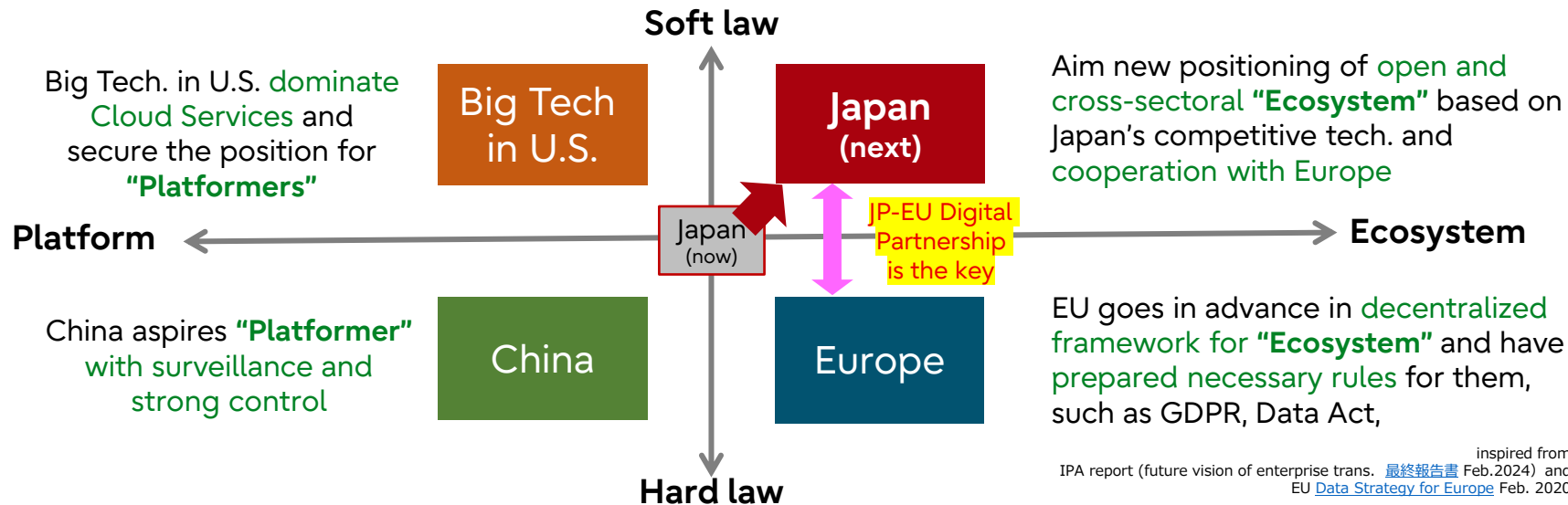
Japan-EU mutual recognition of legislations / certifications for data governance and trust

- For personal data , EU and Japan agreed **Mutual Adequacy Recognition** in 2019
- We need **legal certainty and guidance for cross-border industrial data exchange with trust**



Positioning of Japan

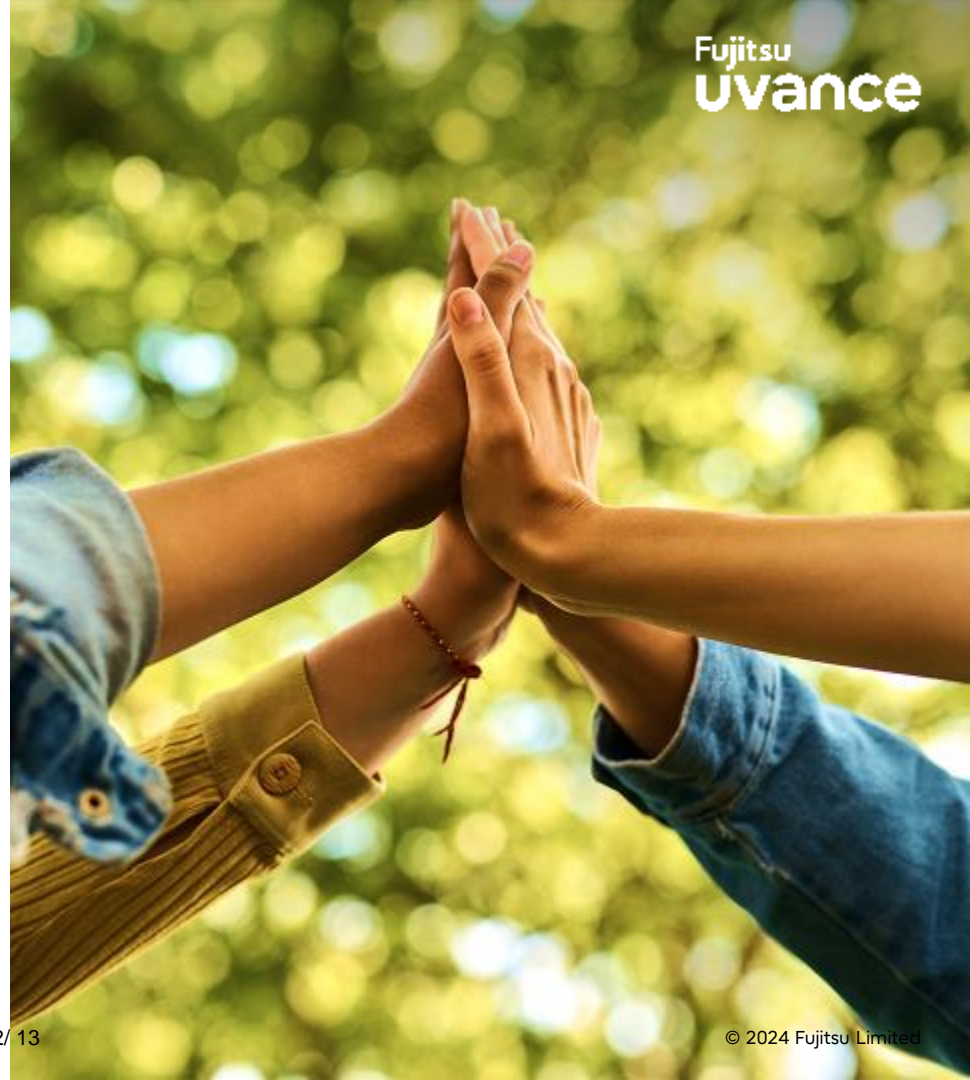
Japan should aim new positioning in cooperation with Europe



It is necessary to **establish domestic initiatives and rules** to realize an open ecosystem, enabling **cross-sectoral integration, value creation** and industrial development, while **securing data flow with data resource-rich countries** such as the US, China and EU.



We are ready to
ACTIVATE
your Sustainability
Transformation Journey.



About Japan Data Management Consortium : JDMC



Name	Japan Data Management Consortium : JDMC 一般社団法人 日本データマネジメント・コンソーシアム
Established	18 th April 2011
Chair	Mr. Satoshi Kurishima (Counselor to the President, NTT COMWARE CORPORATION) 栗島 聡 (エヌ・ティ・ティ・コムウェア株式会社 相談役)
Purpose	Promote the importance of data management and establish practical data management methods to contribute to strengthening the international competitiveness of Japanese companies and organizations データマネジメントの重要性の普及展開と、実践的なデータマネジメント手法を確立し、日本企業・組織の国際競争力強化に寄与する
Policy	<ol style="list-style-type: none">1. Pursue innovative activities that have social impact beyond the scope of the Consortium for Corporate Information Systems2. Looking beyond the individual interests of the companies participating in the consortium to open activities for the development of data management3. Don't dwell on domestic developments in Japan, but focus on overseas information/trends4. Discover and disseminate information on products, services and examples of excellent initiatives that are directly related to data management practices.5. The activities will not be closed to the consortium, but will be coordinated with experts and influential groups both inside and outside the consortium. <ol style="list-style-type: none">1. 企業情報システムのためのコンソーシアムの枠を超え、社会的な影響力がある斬新な活動を追求する2. コンソーシアムに参画する企業個別の利害を超え、データマネジメントの発展に向けてオープンな活動を志向する3. 日本国内の動きにこだわることなく、海外の情報／動向に目を向ける4. 広くデータマネジメントの実践に直結する製品やサービス、優れた取り組み事例を発掘、情報発信する5. 活動はコンソーシアム内部に閉じるのではなく、内外の有識者や有力団体との連携を図る
Members	270 (Regular: 70・Associate: 200)