METI
Ministry of Economy, Trade and Industry

AOTS
The Association for Overseas Technical Cooperation and Sustainable Partnerships

CAPACITY DEVELOPMENT ONLINE SEMINAR FOR POLICY MAKING

Topic: Promotion of Data Sharing

Presentations from Japanese Exprets

- **Policy Supports for Realizing Data Sharing across Companies and Industries (Ouranos Ecosystem)**
- **Initiatives to Promote Data Sharing in the Automotive Sector**

The Ministry of Economy, Trade and Industry (METI) is promoting the "Ouranos Ecosystem," an initiative designed to create a platform for data and system collaboration across companies and industries. This initiative aims to facilitate new value creation through digital technology while addressing social challenges such as achieving a decarbonized society and a circular economy while fostering innovation.

In this seminar, we will introduce a data sharing system for calculating carbon footprints in the automotive and battery supply chain as a leading use case, along with initiatives for automotive Life Cycle Assessment (LCA) calculations and chemical substance management based on these results, and efforts to utilize power data to create new services.

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7 August 2025

9:30 AM– 12:00 PM
by ONLINE (MS Teams)

Register Now

Capacity Development
Online Seminar for Policy Making
on Promotion of Data Sharing

- Date: 7 August 2025
- Time: 9:30-12:00AM
- Organizer: The Association for Overseas Technical Cooperation and Sustainable Partnerships (AOTS) supported by Ministry of Economy, Trade and Industry in Japan (METI)

TIME	AGENDA	SPEAKER
9:30–9:40	Welcome & Opening remarks （開会の挨拶）	Ministry of Economy, Trade and Industry in Japan (METI)
9:40 –10:40	Policy supports for realizing data sharing across companies and industries (Ouranos Ecosystem) （企業・業界を越えたデータ連携（ウラノス・エコシステム）の実現に向けた政策支援）	Mr. IKAI, Yuji, Director, Office of Digital Strategy and International Affairs, Commerce and Information Policy Bureau, METI
10:40-10:50	Q&A Session	
10:50–11:50	Initiatives to promote data sharing in the automotive sector （自動車分野におけるデータ連携促進に向けた取組み）	Mr. KUROYABU, Makoto, Director, Mobility Digital Transformation Office, Automobile Division, METI
11:50-12:00	Q&A Session and Wrap-up	

Cross-Border Data Collaboration Among Companies, Industries, and Nations (Ouranos Ecosystem)

- Due to the maturation of society, which has led to **diversified customer needs**, and the intensification of **global competition** driven by advancements in digital technology, social and economic issues have become more complex, making them difficult to resolve with traditional frameworks.
- In particular, the need for **data sharing among companies in the supply chain** is increasing, especially regarding the visualization of manufacturing processes and greenhouse gas (GHG) emissions, as we strive for carbon neutrality. Therefore, **promoting cooperation between Japan and Thailand**, where supply chain connections are strong, is essential.
- In Japan, initiatives for interoperable data infrastructures that create new value through data sharing and utilization across enterprise and industry boundaries are named the ***"Ouranos Ecosystem,"*** which is promoted through public-private partnerships. Initially, **an interoperable data infrastructure for automobiles and batteries was established to achieve CO2 emissions management and other objectives**.

Data Free Flow with Trust (DFFT)

Aiming to Ensure the Free Flow of Data **Across Borders**

◀ January 2019
World Economic Forum Annual Meeting
→ G20 Osaka Summit

Ouranos Ecosystem

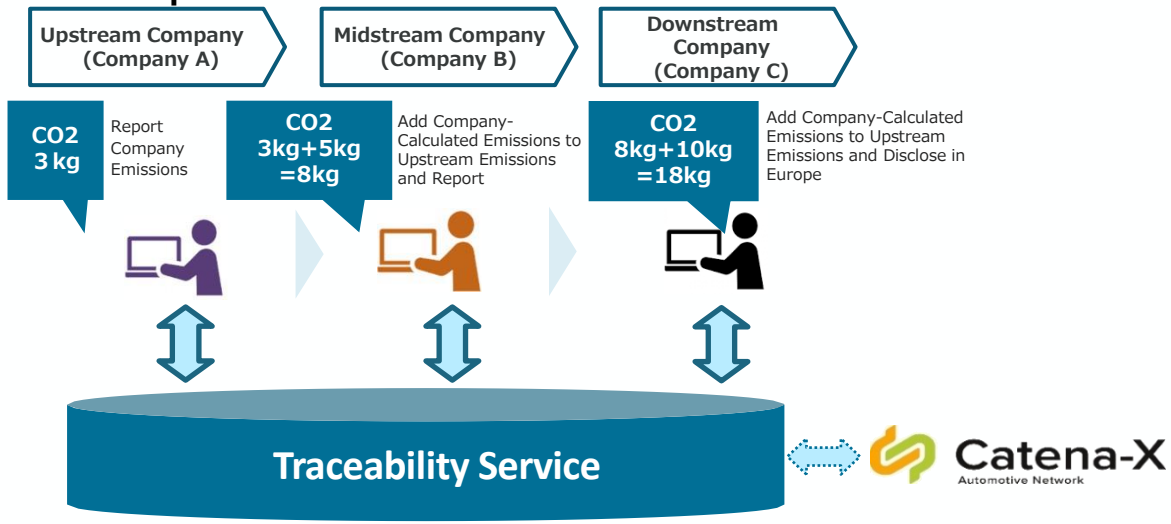
Actions aimed at strengthening corporate and industrial competitiveness through public-private sector collaboration by promoting concrete data, system, and business linkage and by promoting the use of data across companies and industries by linking multiple systems to realize DFFT.

Expansion of the Ouranos Ecosystem

- Based on the implementation use case of the interoperable data infrastructure for automobiles and batteries, we plan to expand to other applications, such as **visualizing the automotive life cycle assessment (LCA)** and **managing the chemical substances contained in products**.
- It is possible to develop other interoperable data infrastructures **using scalable guidelines and open-source software (OSS).**

Prior Use Case

Establishment of an interoperable data infrastructure for Automobiles and Batteries for CO2 Emissions Management and Other Purposes



※Information such as trade secrets is strictly protected.

Collaborate with Initiatives in Europe

Organization of Standards and Trust Frameworks for Data Spaces

Standards for Data Spaces (Published in February 2025)

- Organize reference architectures, open-source software, and case studies on services for enterprise data interoperability and utilization across companies

※ Whitepaper: Ouranos Ecosystem Data Spaces Reference Architecture Model (ODS-RAM) (Published on February 28, 2025: Ministry of Economy, Trade and Industry, and Digital Architecture Design Center, Information-Technology Promotion Agency)
https://www.ipa.go.jp/en/digital/architecture-guidelines/ouranos-ecosystem-dataspaces-ram-white-paper.html

Report on the Concept of Trust (Published in March 2025)

Analyze domestic and international use cases in sectors such as automotive, battery, chemical substance management, and power, and compile the concept of 'trust' that is essential for promoting secure and trustworthy data sharing within the Ouranos Ecosystem

※ The Ouranos Ecosystem Trust Study Group Report (Published on March 28, 2025: Ministry of Economy, Trade and Industry)
https://www.meti.go.jp/english/press/2025/0328_004.html