



December 27, 2024

IDSA Malaysia Hub

IDSA Japan Hub

**IDSA Malaysia Hub and IDSA Japan Hub  
have agreed to a testbed system of Malaysia Data Space System in U-Tokyo ITDT**

IDSA Malaysia Hub<sup>1)</sup> and IDSA Japan Hub<sup>2)</sup> have agreed to start a new collaboration for establishing a new data space technology testbed. This initiative will utilize data space system components developed by IDSA Malaysia Hub with International Testbed of Dataspace Technology (ITDT)<sup>3)</sup> of the University of Tokyo, Japan. The primary goal of this collaboration is to achieve interoperability of data space between Malaysia and Japan.

Data space system of IDSA Malaysia Hub consists of the following components:

1. A data catalog will serve as a data broker to manage digital asset metadata, hosted within the International Testbed of Dataspace Technology (ITDT).
2. The Industrial Dataspace (IDS) Connector facilitates secure, standardized data sharing between providers and consumers by enforcing data usage contracts, ensuring compliance, and maintaining trust through secure communication and interoperability.
3. An Identify Provider (IP) to provide the services that creates, maintains, and manage digital identities for users and authenticates their access to the IDS.

The schedule for establishing the data space system in ITDT can be found in Appendix A<sup>4)</sup>.

**<sup>1)</sup>About IDSA Malaysia Hub**

The IDSA Malaysia Hub is administered by the Digital Connect Society (DCS). DCS is a professional society registered under the Society Act 1966 of Malaysia. It is established to gather globally connected individuals and entities who are passionate in working together to achieve the common vision of a manageable digitally connected world that is constantly evolving and progressive, by establishing professional and scientific advancement of the education, standard practices, recognition and governance of technology. The three Objectives to be achieved by the Society are as follows:

1. Advocate the use of standards and best practices for digitally connected society.
2. Promote interoperability with the use of common frameworks and classification standards.
3. To be the Center of Excellence (CoE) for digital transformation agenda.



## 2) About IDSA Japan Hub

IDSA Japan Hub consists of two functions: a.IDSA Hub Coordinator, Japan and b.IDSA Research Center, Japan.

### a. IDSA Hub Coordinator, Japan

The IDSA Hub Coordinator of Japan collaborates with the International Data Space Association (IDSA) in Germany and the Data Society Alliance (DSA) to research and develop data spaces that ensure data sovereignty and trust in data sharing among various players, with the goal of advancing the data economy. The IDSA Hub Coordinator of Japan will conduct the following activities:

1. Expanding the use of International Data Space (IDS) standard technologies
2. Expand the number of endorsers of IDS standard technologies
3. Coordination and collaboration between IDSA and the data space ecosystem in Japan, including industry and policy makers
4. Transfer activities of IDS standard technologies (events, training, consulting, publications, orientation)
5. Establishment of a showroom for data space technologies, including IDS technologies
6. Implementation of data space research and development projects

### b. IDSA Research Center, Japan

The IDSA Research Center of Japan, together with IDSA in Germany and in collaboration with DSA, aims to conduct academic research on dataspaces that ensure data sovereignty and data trust in data sharing among various players for a thriving data economy. The IDSA Research Center of Japan will

1. Conduct research projects in collaboration with industry and academia in Europe and Japan,
2. Research on interoperability technologies between systems using IDS standard technologies and other data federation platform systems in Japan,
3. Research on creating use cases for IDS standard technology,
4. Create an inter-dataspace environment using IDS standard technology for secure and reliable data sharing, and
5. Operate and provide a testbed system including components of IDS standard technology and Japanese data federation platform systems.



### 3) About ITDT of the University of Tokyo

The International Testbed for Dataspace Technology aims to establish and operate a platform system that supports the implementation of empirical research using real-world systems by industry, government, and academia in international collaboration on data space technology. To achieve this, in collaboration with domestic and international players aiming to build and operate dataspaces, the following research and development will be conducted:

1. Construction and operation of a distributed federal data infrastructure testbed system, including connectors and brokers
2. Research and development of technologies to interoperate various distributed federal data infrastructure systems
3. Construction and operation of other systems to support technical verification necessary for data space construction
4. Research to create use cases for distributed federal data infrastructure system technology
5. Transfer activities of distributed federal data infrastructure system technologies (events, training, consulting, publications, orientation)

### 4) Appendix A: The schedule for establishing the data space system in ITDT

No	Activity	Start	End	Dec 24				Jan 25				Feb 25				Mar 25				Apr 25			
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	Japan International Testbed for Dataspace Technology (ITDT) agreement, requirements and specification	10.12.24	03.01.25	■	■	■	■																
2	ITDT architecture and operational training	06.01.25	24.01.25					■	■														
3	Setup EASI Broker and Identify Provider (IP) in ITDT Testbed	10.02.25	21.02.25									■	■										
4	Setup Connector and EASI platform for view contract and receive digital asset data	24.02.25	07.03.25											■	■								
5	Initiation and asset data collection for IDS Testbed Project	10.03.25	04.04.25													■	■	■	■	■			
6	Finalization and reporting for IDS Testbed Project	07.04.25	11.04.25																		■	■	
7	Next phases discussion, identify use case and available funding application	14.04.25	18.04.25																			■	■
8	Sharing of outcomes in the event of Japan and Malaysia IDSA Hub	21.04.25	30.04.25																			■	■