Innovation in business ecosystems is increasingly taking place through the cross-company exchange of data. However, when delivering data, data producers and owners often face the risk of losing control and the strategic value of their data resources. As a result, data sharing remains limited and the potential of data ecosystems remains unrealized. The “International Data Space” (IDS) addresses this cross-industry conflict by enabling data providers to share data while maintaining data sovereignty.

In this praxis-oriented training for specialists and executives, the basics about data sovereignty as well as the structure of the IDS architecture with its technologies, basic services and roles are presented.

Best regards,

Prof. Dr.-Ing. Boris Otto, Managing Director of the Fraunhofer Institute for Software and Systems Engineering
1. ECOSYSTEMS AND DIGITAL BUSINESS MODELS
   Introduction to data-driven business models and how they relate to data ecosystems.

2. DATA SOVEREIGNTY
   Explanation of the key factor of data sovereignty as a prerequisite for trustworthy data exchange.

3. INTERACTIVE WORKSHOP PHASE 1
   Apply the above basics to case studies in an interactive format.

4. ARCHITECTURES AND INITIATIVES RELATED TO INDUSTRIAL DATA EXCHANGE
   Classification and comparison of architectures and initiatives with thematic reference to industrial data ecosystems.

5. IDS ARCHITECTURE
   Introduction to the International Data Space and its architecture.

6. COMPONENTS, INFORMATION MODEL AND GOVERNANCE OF THE IDS
   Presentation of the individual IDS components as well as the information model and governance rules.

7. INTERACTIVE WORKSHOP PHASE 2
   Extension of the results of the first workshop phase to include IDS components.

8. PARTICIPATION IN THE IDSA
   Presentation of the structure of the International Data Spaces Association and of participation opportunities.

TARGET GROUP
This basic seminar is designed for executives and employees from various industries who want to understand the phenomenon of data sovereignty and use and further develop the “International Data Space” architecture as a federal approach for the sovereign exchange of data. The seminar is open to technical personnel (data architects, software developers) and management personnel.

SEMINAR AIM
After the seminar, the participants will have an understanding of different architectural patterns for data exchange. They understand the concept of data sovereignty and the International Data Space architecture. In addition, they are familiar with technologies, components and roles in the IDS ecosystem according to the current reference architecture and can describe and define their own use case.

ORGANIZER
The seminar is conducted by the Fraunhofer Institute for Software and Systems Engineering, Department for Data Business. The lecturers of the seminar are employees of the Fraunhofer ISST in Dortmund and have been actively involved in the architecture and implementation of the IDS since its inception.

PARTICIPATION FEE
The fee for participation in the one-day basic seminar is € 699.00 per participant, including working materials and meals. Participants who are employees of a member of the International Data Spaces Association receive a discount of 15%.

SEMINAR LOCATION
The seminar takes place in the IDS Lab of the Fraunhofer ISST in Dortmund. Directions can be found under: www.isst.fraunhofer.de/Arrival.

REGISTRATION
Current dates and a registration form can be found under: www.academy.fraunhofer.de/ids.

MORE INDIVIDUALITY DESIRED?
Do you have special wishes regarding the course content or would you like to conduct the seminar as in-house training on your premises? Contact us, we will be happy to make you an individualized offer!