HOW YOU CAN GET INVOLVED

1 USE CASES

- Piloting, applying and testing Industrial Data Space
- Implementing requirements in the development of the architecture
- Development of Smart Services

2 BUSINSS DEVELOPMENT

- Development of business models in the Industrial Data Space
- Innovation camp
- Development of common user models

3 WORKING GROUPS

- Participation in working groups
- Regular exchange with all member companies
- Dealing jointly with problems concerning data exchange

4 ARCHITECTURE

- Support to help design the reference architecture
- Contribution of company-specific know-how

5 EXCHANGE OF INFORMATION

- Transferring the content of the research project
- Common events/Networking events
- Organisation of marketing activities/fairs

6 STANDARDISATION/ CERTIFICATION

- Defining and implementing standards
- Designing certification measures
- Designing the Industrial Data Space certification measures

THE 4 KEY OBJECTIVES

of Industrial Data Space Association

REFERENCE ARCHITECTURE
model for trusted data sharing

CERTIFICATION
governance for all players in the Industrial Data Space

INTERNATIONAL STANDARD
for data interoperability

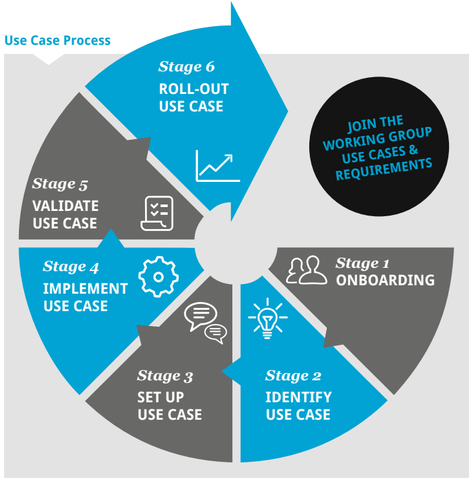
BUSINESS ECOSYSTEM
for products, services und business models

MAKE YOUR OWN USE CASE

Each member of the association realizes a business driven use case

- The use cases demonstrate the innovations based on Industrial Data Space
- Potential core of an ecosystem by integrating further partners (also from different domains)

Use Case Process



INDUSTRIAL DATA SPACE ASSOCIATION

INDUSTRIAL DATA SPACE

A NEW IDEA OF SHARING DATA

ABOUT US
INFRASTRUCTURE FOR SECURE DATA EXCHANGE

Who is allowed to use which data? For what purpose? For which period? Under which conditions?

Industrial Data Space wants to answer these questions with clear, legally compliant guidelines, internationally recognized standards and secure technology.

Our aim is to set up the infrastructure for the shared use of data in order to take care of the complex topic of data exchange, security, rights and data transfer for companies.

Our members analyse and evaluate the demands of every company concerning Industrial Data Space on the base of their everyday experiences. This is the only way virtual and secure data space can evolve, which is accepted and used by businesses and industry. This is supported by the continuous work members carry out in the working groups on use cases, certification and utilization or on the architecture of the Industrial Data Space, to enable it to take shape.

The Industrial Data Space Association works closely together with the research project of the same name at the Fraunhofer Gesellschaft, which is funded by the Federal Ministry for Education and Research. The focus here is on developing the Reference Architecture, the technical implementation of Industrial Data Space as well as on piloting selected use cases.

At the moment, Industrial Data Space is being put into practice and used in 18 use cases by companies which include Audi, Bosch, Boehringer Ingelheim, thyssenkrupp, Salzgitter, Schaeffler and Sick.

INDUSTRIAL DATA SPACE ASSOCIATION

Executive Board

Responsibilities:

Dr. Reinhold Achatz (Chairman)
Prof. Dr. Boris Otto (Deputy Chairman)
Dr. Ralf-Peter Simon (Treasurer)

Steering Committee

Tasks:

- Preparing strategic decision
- Deciding about general questions

Responsibilities:

- Head of working groups/task forces
- Head of the research project
- Head office

Head Office supports member engagement

Head Office

Tasks:

- Member and Partner Management
- Internationalisation
- Marketing and Communication
- Organisation
- Knowledge Transfer

Managing Directors:

- Lars Nagel
- Thorsten Hülsmann

International Hubs

Global standard:

- Members all over the world, major European RTOs, intense engagement in European research activities
- Industrial Data Space aims to establish a global standard

Communication & Marketing

Internal & external:

- Internal communication through working groups and the collaboration tool JIVE
- External communication on fairs, interviews or articles

Working Groups & Task forces

TF Exploitation & Business Modeling

Tasks:

- Deriving assets and roles for exploitation
- Defining the economical environment for the participation

TF Legal Framework

Tasks:

- Considering legal aspects within IDS
- Shaping the data economy
- Developing the IPR Policy

WG Architecture

Tasks:

- Developing reference architecture & software components
- Standardisation
- Configurating product backlog

Responsibilities:

- Andreas Teuscher (SICK AG)
- Dr. Steffen Lohmann (Fraunhofer IAIS)

WG Use Cases & Requirements

Tasks:

- Transfering requirements to the functional overview
- Supporting of use case integrations

Responsibilities:

- Gerrit Stöhr (Salzgitter AG)
- Dr. Sven Wenzel (Fraunhofer ISST)

WG Certification

Tasks:

- Developing requirements and criteria
- Defining components and roles for certification

Responsibilities:

- Aleksei Resetko (PwC AG)
- Nadja Menz (Fraunhofer FOKUS)

Use Cases

Your company:

- Piloting and applying
- Testing in your environment and business processes
- Implementing requirements in the development of the architecture

Support:

- Identifying, setting up, implementing, validating and rolling out use cases will be supported by elected partners

Fraunhofer is member of the Association

Fraunhofer Research Project

9 work packages

Tasks:

- IDS Architecture
- Software Implementation
- Use Cases
- Standardisation
- Certification
- Digital Business
- Engineering
- Recommendations for Action
- Institutionalisation
- Project Management

Responsibilities:

- Dr. Steffen Lohmann
- Ralf Nagel
- Dr. Sven Wenzel
- Prof. Dr. Sören Auer
- Nadja Menz
- Prof. Dr. Boris Otto

Over 70 member companies and organisations:

Experts of member companies and organisations joining working groups and task forces or implementing use cases within their companies

CONTACT

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