

DATA SPACE 4.0

ABOUT

The potential value of manufacturing data sharing has been estimated at €83 billion just in the field of process optimization. Yet, despite emerging data partnerships, 80% of industrial data collected remains unused. Commission President Ursula von der Leyen labelled this problem a “pure waste”.

Data Space 4.0 is a project driven by the National Industry 4.0 initiatives supported by European Data Space and Industry 4.0 stakeholder communities to prepare and steer the deployment and scale up of future common data spaces in manufacturing.

The Data Space 4.0 project will establish the Data Space 4.0 Alliance, a Flagship Initiative of the Digital Factory Alliance (DFA), intended to coordinate and steer a multi-stakeholder governance model for data spaces in manufacturing.

OBJECTIVES

- Codesign Data Space 4.0 pathway to meet **Data Act data sharing challenges**.
- Set data spaces guidelines for agile supply chains, dynamic asset management and predictive maintenance **data value networks organic growth**.
- Boost pan-European dialogue for Data Space 4.0 **SME friendliness**.
- Facilitate access to Data Space 4.0 initiatives and legal, business and technical building blocks to **ease Data Space 4.0 adoption**.
- Set Data Space 4.0 broad consensus to **accelerate secure, fair and responsible data sharing and reduced operational and maintenance costs**.
- Explore the role of Data Space 4.0 to **support resilient digital product passport (DPP) implementation** and circular manufacturing.

2

Focus Data Value Networks

5

Sectors

1

Unified Voice

1

Alliance

PARTICIPATE

Sign up for the Data Space 4.0 newsletter.

Increase your visibility and follow news and insights on the latest events, initiatives, assets and blueprints from the data space 4.0 community.



Actively engage and steer the Data Space 4.0 deployment.

Connect with the activities set by your preferred local, national, or international initiative or associations collaborating with Data Space 4.0 Alliance or become a member of the Digital Factory Alliance (DFA).

OUTCOMES



A **European Data Space 4.0 Alliance** & **Multi-stakeholder Governance Model** for data spaces for manufacturing.



A **Data Space 4.0 Canvas** of design strategies, business modelling, incentive schemes and best-practices.



A **Directory** of existing manufacturing data space assets, toolkits and blueprints.



A consolidated set of reference **Smart Data 4.0 Models**.



A Data Space 4.0 **Minimum Viable Framework** (MVF).



A **Multi-Step Roadmap** towards deployment of pan-EU data spaces for manufacturing.

Consortium members:

DATA SPACE 4.0



Associated & Collaboration Partners



manufacturingdataspace-csa.eu

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