FACT SHEET#2

Objectives and Innovation Focus

Project Objectives

- **Enhance digital manufacturing processes** through the implementation of innovative technologies.

- **Foster collaboration** between academia, research institutions, and industry for pioneering advancements.

- **Drive Industry 4.0 principles** to revolutionize manufacturing and industrial practices.

- **Establish data governance:** Develop a robust data governance structure adhering to FAIR data principles, including data provenance and sovereignty.

- **Implement AI technologies:** Utilize Artificial Intelligence (AI) technologies such as linked data, semantic knowledge graph, and machine learning algorithms to add value to data extraction, analysis, processing, and re-use.

- **Develop training materials:** Create training materials and user manuals for the utilization of DOME 4.0, including data documentation and B2B best practices.

- **Establish an exploitation strategy:** Develop a business model and strategy for the maintenance, operations, and sustainability of DOME 4.0 beyond its funding period.

- **Collaborate and integrate with existing platforms:** Collaborate with existing data platforms, initiatives, and associations, and establish cooperation with various external parties to foster scalability and sustainability.

- **Engage with innovators and talents:** Conduct hackathons and Industry Commons Ecosystem (ICE) Lab events to engage with innovators, gather market insights, and test novel business models.

- **Assess and demonstrate system-level** Technology Readiness Levels (TRLs): Aim for a TRL of 6 for the ecosystem and individual B2B showcases, demonstrating the project's impact and readiness for adoption by stakeholders.

- **Establish an open collaborative network:** Create an open collaborative network of data platforms where data providers, consumers, hubs, and platforms have equal participation.

Innovation Focus

Development and integration of smart technologies for optimized production processes.
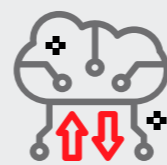
Implementation of AI, IoT, and data analytics to enable predictive maintenance and resource optimization.

Creation of a resilient and agile manufacturing ecosystem.

DOME 4.0

Visit our website: **www.dome40.eu**