



## DOME 4.0 Platform Officially Goes Live!

*"Empowering Innovation and Collaboration: A New Era of Data Sharing in Materials and Manufacturing"*

The anticipated **DOME 4.0 platform** is now live and operational, marking a significant milestone after four years of intensive development. This cutting-edge platform offers an open, user-friendly ecosystem that enhances data sharing and knowledge generation within the materials and manufacturing domains, aligning with the principles of Open Science and Open Innovation.

DOME 4.0 allows users to:

- **Register and share data** seamlessly within the ecosystem.
- **Search and discover datasets** tailored to their needs.
- **Explore integrated showcases** that demonstrate the platform's capabilities for data exchange, including applications in advanced materials, nanotechnology, and manufacturing processes.

One of the core achievements of the platform is its focus on **semantic data interoperability**, enabling data to be easily found, shared, and used across various sectors. Leveraging advanced ontologies, Artificial Intelligence (AI), and Machine Learning (ML) technologies, the platform ensures that data governance, sovereignty, and FAIR principles (Findability, Accessibility, Interoperability, and Reusability) are upheld.

### An Ecosystem Built for Collaboration

The **Digital Open Marketplace Ecosystem (DOME) 4.0** is designed to empower businesses, researchers, and industry stakeholders to co-create value through data-driven insights and solutions. The platform integrates advanced data tools, such as ontology-driven interfaces and semantic APIs, to facilitate collaboration across multiple stakeholders.

This milestone would not have been possible without the collective efforts of the interdisciplinary consortium, which includes leading European SMEs, industries, research institutions, and academic partners.

### The Journey Ahead

The launch of DOME 4.0 is just the beginning. The platform's scalability and interoperability make it a cornerstone for fostering innovation, creating sustainable business models, and accelerating data-driven industrial transformations.

We invite users to join the **DOME 4.0 community**, explore its capabilities, and contribute to this evolving ecosystem for industrial data sharing and innovation.

For more information and to access the platform, visit the [link here](#).

Stay connected through our social media channels or scan the QR code below to explore further!





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