1

i3-MARKET Overview

The i3-MARKET Project (www.i3-market.eu) provides solutions in the form of software artifacts implemented as open-source tools and the reference pilots deployed as industrial applications, both developed addressing the growing demand for a European Single Digital Data Market and aiming to incentivise the growing demand for a new paradigm in Data Economy.

A new paradigm in Data Economy that promotes economic growth will only be possible by creating innovative solutions that can be implemented as industrial deployments, which focuses on demonstrating that the value of the data can be distributed to all stakeholders participating in the data lifecycle. The i3-MARKET solutions aim at providing technologies for trustworthy (secure and reliable), data-driven collaboration, and federation of existing and new future marketplace platforms, with special attention to industrial data. The i3-MARKET architecture is designed to enable secure and privacy-preserving data sharing across data spaces and marketplaces, through the deployment of a backplane across operational data marketplaces.

In i3-MARKET, we are not trying to create another new marketplace, but we are implementing the backplane solutions that allow other data marketplace and data space to expand their market, facilitate the registration and discovery of data assets, facilitate the trading and sharing of data assets among providers, consumers, and owners, and provide tools to add functionalities they lack for better data sharing and trading processes.

The i3-MARKET project has built a blueprint open-source software architecture called "i3-MARKET Backplane" (www.open-source.i3-MARKET.eu) that addresses the growing demand for connecting multiple data spaces and marketplaces in a secure and federated manner.

i3-MARKET consortium is contributing with the developed software tools to build the European data market economy by innovating marketplace platforms, demonstrating with three industrial reference implementations (pilots) that a decentralized data economy and more fair growth are possible.