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## **Technical Innovation, solving the Data Spaces and Marketplaces Interoperability Problems for the Global Data-Driven Economy**

**i3-MARKET Series - Part III: The i3-MARKET FOSS Handbook**

### **Editors:**

Martín Serrano, Insight SFI Research Centre for Data Analytics, Ireland  
Achille Zappa, Insight SFI Research Centre for Data Analytics, Ireland  
Waheed Ashraf, Insight SFI Research Centre for Data Analytics, Ireland  
Edgar Friess, Siemens AG, Germany  
Iván Martínez, Atos, Spain  
Alessandro Amicone, GFT, Italy  
Pedro Maló, NOVA, Portugal  
Márcio Mateus, Unparalell Ltd. Portugal

### **Description:**

In the third i3-MARKET series book we focus on the best practices and simplest software methods and mechanisms that allow the i3-MARKET backplane reference implementation to be instantiated, tested and validated even before the technical expert and developer communities decide to integrate the i3-MARKET as a reference implementation or adopted open-source software tools. In this book the purpose of offering a clear understanding of the technological components but also the software infrastructures, and the steps to be followed to avoid overwhelming the deployment activity.

i3-MARKET has three industrial pilots defined in terms of data resources used to deploy data-driven applications that use the most of the i3-MARKET backplane services and functionalities. The different software technologies developed, including the use of open-source frameworks, within the context of the i3-MARKET is considered as a bill of software artefacts of the resources needed to perform demonstrators, proof of concepts, and prototype solutions. The i3-MARKET handbook can be used as input for configurators and developers to set up and pre-test testbeds and therefore it is extremely valuable to organizations if used properly.

**Keywords:** Data Marketplace, Digital Markets, Big Data and Cybersecurity