FAME

NEWSLETTER

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FAME

FAME is a joint effort of world-class experts in data management, data technologies, the data economy, and digital finance

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FAME

About

The FAME marketplace will alleviate the proclaimed limitations of centralized cloud marketplaces towards demonstrating the full potential of the data economy.

FAME's developments will be integrated in a single federated data marketplace platform, which will become (openly and publicly) accessible based on OpenAPIs. The platform will be operational in a federated cloud environment with multiple providers of different types of data assets, including datasets, AI/ML models, analytical insights and more.



Objectives & Ambition

1. **Federated Marketplace**
2. **Unified Data & Security Policy Management for Federated Services**
3. **Federated Data Catalogues based on Semantic Interoperability of EmFi Data Assets**
4. **Decentralized Programmble Data Assets Trading & Monetization (incl. Value Accrual in NFT)**
5. **Trusted, Privacy Friendly and Energy Efficient Analytics**
6. **FAME Training Programs & Learning Center**
7. **Novel Embedded Finance Use Cases**

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Work Packages

WP-1

Management and Coordination Activities

This work package coordinates the project to ensure that all work packages are fully integrated and effectively executed, including legal and regulatory compliance management.

WP-2

FAME Platform: Specifications, Architecture and Integration

WP2 aims to support the specification, architecture, and integration of the FAME platform and its technical components. In the initial phase, the focus was on defining the Business and Technical Requirements of the FAME Pilots.

Co-creation workshops were held to primarily identify the Pilots' Business Requirements, which outline the desired goals and outcomes of the solution. These requirements represent the changes needed by stakeholders to optimize current business processes.

Once the Business Requirements were established, they were translated into Technical Requirements through additional workshops. These provide a detailed representation of the changes and expected outcomes of the solution, enabling the commencement of design and development.

Using these Technical Requirements, an initial version of the FAME reference architecture model was designed, based on GAIA-X and International Data Spaces (IDS) principles, along with the guidelines of the C4 architectural model (Context, Container, Component, Code). This facilitates communication and architecture review, as well as risk identification and threat modeling.

Context-view and Container-view diagrams were provided for the overall FAME platform, and Components-view architecture diagrams were delivered for each FAME-related component. This unified and easily comprehensible architectural approach will guide the implementation phase.



Work Packages

WP-3

WP3. Secure, Interoperable, Federated Data Management

WP3 is responsible for implementing the project's AAI infrastructure for federated access to data providers and for designing and implementing a unified approach to manage and enforce data policies in a federated environment.

The WP will design and deliver a federated catalog of data assets as part of the marketplace, as well as design and implement a set of tools for regulatory compliance for integrated financial applications based on data about the FAME marketplace.

WP-4

Decentralized Programmable Data Trading and Pricing

WP4 focuses on FAME's infrastructure, including a Blockchain network for data trust, decentralized asset trading, and transaction tracking. It also covers dynamic pricing, asset discovery, and trade monetization. Tools for governing the marketplace are part of the plan.

In the initial phase, we've chosen Hyperledger Besu as the Blockchain platform and set up a permissioned network for FAME partners.

We're now finalizing decisions to integrate WP4 with other FAME components like authentication and catalog federation. A key technical workshop is planned for June 2023 at EUBA's premises in Bratislava.



Work Packages

WP-5

Trusted and Energy Efficient Analytics

WP5 creates a catalog of AI/ML models for EmFi data analysis in FAME. It also develops XAI techniques, reduces CO2 footprint, and supports EE and privacy-friendly analytics.

The objective is an efficient and sustainable EmFi toolbox, combining decentralized AI, carbon footprint reduction, and advanced XAI techniques. Atos, IBM, LeanXcale, UPRC, ENG, Jozef Stefan Institute, Unparallel Innovation, Lda, and MOH collaborate to provide FAME users with deployable AI models in decentralized environments.

Partners are currently working together to tailor the solution to meet specific use case requirements.

WP-6

Integration, Validation and Evaluation of EmFi Use Cases

Specification of the project pilots and the preparation of the various sites/partners for implementation and validation. It will implement the FAME market-based use cases, leveraging FAME data assets and tools through open APIs and evaluating UC from a techno-economic and socio-economic perspective, as well as based on stakeholder feedback analysis.

WP-7

Dissemination, Exploitation and Stakeholders' Training

This work package coordinates and oversees the dissemination, communication and exploitation activities within the project and creates a community around the FAME data marketplace platform.

WP-8

Ethics requirements

This work package sets out the ethics requirements that the project must comply with.

News (1/3)



FAME consortium took part in the European Big Data Value Forum 2023

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FAME at European Big Data Value Forum 2023

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IBM chaired the 2nd Process Management in the AI Era workshop (PMAI) at IJCAI 2023

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News (2/3)



Second General Assembly of the FAME project

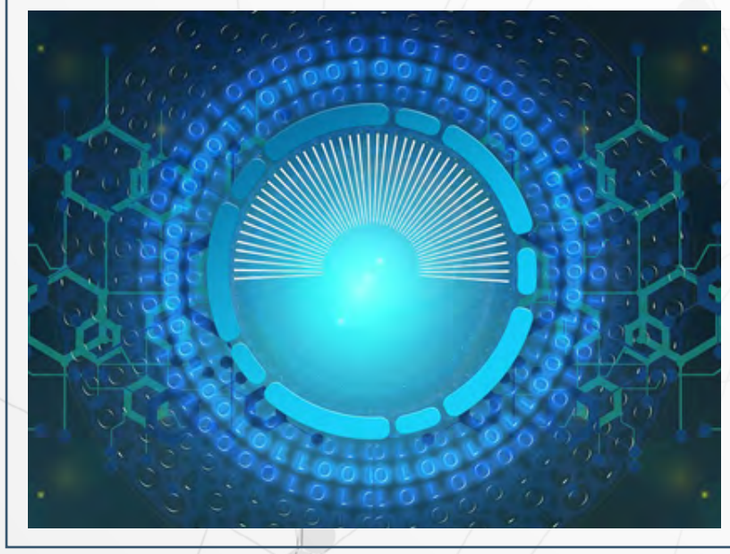
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FAME unveils the potential of Embedded Finance Services Introducing the Personalized Citizen Wallet

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News (3/3)



Blockchain and Decentralized Programmable Data Trading and Pricing: Why They Matter and How FAME Can Help

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The kick-off meeting of FAME took place on 15-16 March in Rome

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FAME

Consortium

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