IRP 6: Individual Research Project

Topic

Collaborative learning across data silos

Involvement

- IRP belongs to WP1 (Financial Data Space)
- WP Leader: BBU (Cluj)
- Two supervisors from secondments: SWE, and FRA

Objectives

Connecting several dozen different data pipeline components and integrating an excessive number of APIs to leverage siloed data is a significant barrier to the comprehensive implementation of AI-based systems in finance. We will concentrate on the **data challe**nges that finance service providers face by proposing solutions to **streamline data collection, resolve data quality issues, and structure data to support downstream processes.**

Deliverables

This project produced **a large number of API definitions** that are closely related to research papers in the fields of theory of Artificial Intelligence and Machine Learning, as well as theory of Finance applications in various sub-fields such as security and compliance. The API specification itself should not only be **integrated into financial institutions' business processes**, but should also **provide fruitful input for new research papers** that are of interest to readers and users of all involved fields of research.

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TIMELINE

IRP6

M12   M18   M44

M9   M16   M36

DC starts   DC ends

Fraunhofer Institute

Applied industry-research, exposure to world-leading research centre and infrastructure

Swedbank

Research on prototype implementations, applied research

DIGITAL