

Key Action: Partnerships for cooperation and exchanges of practices  
Action Type: Erasmus Mundus Joint Master

#### Project Title

# EDISS - Erasmus Mundus Joint Master Programme on the Engineering of Data-intensive Intelligent Software Systems

## Project Coordinator

**Organisation** ABO AKADEMI  
**Address** DOMKYRKOTORGET 3 , 20500 ABO , FI  
**Website** [www.abo.fi](http://www.abo.fi)

## Project Information

**Identifier** 101238940  
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**End Date** Oct 31, 2031  
**EC Contribution** 3,600,000 EUR  
**Partners** UNIVERSITA DEGLI STUDI DELL'AQUILA (IT) , UNIVERSITAT DE LES ILLES BALEARS (ES) , MALARDALENS UNIVERSITET (SE)

## Project Summary

EDISS is a joint master programme established in 2020 and delivered by Åbo Akademi University, University of L'Aquila, Mälardalen University, and University of the Balearic Islands, committed to educate the next generation of professionals on the Engineering of Data-Intensive Intelligent Software Systems. This field lies at the convergence of software engineering, Artificial Intelligence (AI), Machine Learning (ML) and data science, where professionals are required to design and deploy software systems capable of handling large-scale data processing and intelligent decision-making.

In the era of data explosion, data scientists handle vast, complex datasets, enabling data-driven discoveries. Software and system engineers focus their attention on the engineering process of software, building system architectures that, more and more, deal with various data collections and management systems, while AI and ML scientists develop advanced AI models and frameworks. However, these fields often work independently, resulting in suboptimal systems. EDISS aims to bridge this gap by uniting data and AI scientists and software engineers to develop data-intensive intelligent software systems.

We do so by bringing together software engineering educators working in data collection, data-driven assessment, and decision-making for both design and runtime; architects and data scientists working on data pipelines, data architectures, DataOps, and experimentation systems; and AI scientist developing and improving algorithms. We are certain that this synergy actively fosters knowledge sharing and expertise, paving the way for innovative ideas and impactful solutions.

Introducing new elements, EDISS will continue to train experts to integrate data science and ML into software engineering, meeting global demands. We anticipate 3,500+ applications, 150 enrolled students, 20 new industry partners, 15 scientific publications and a growing alumni network over the next five intakes.

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