

AIDOSec

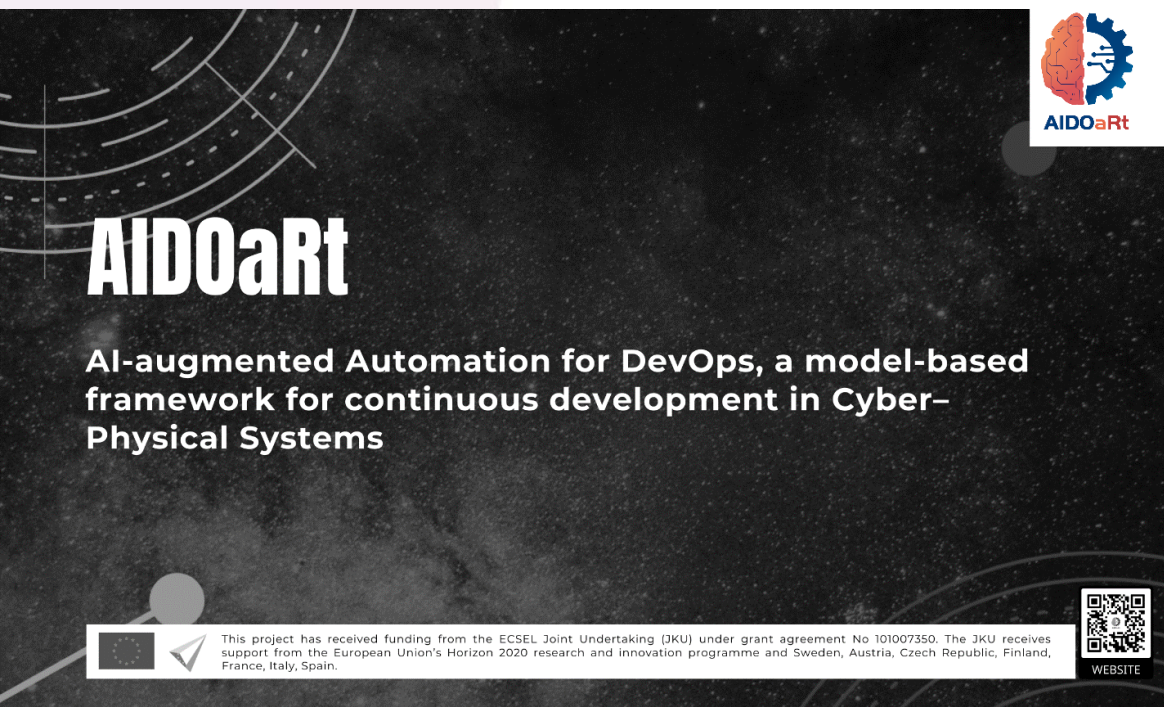
AI-augmented automation for efficient DevOps, a model-based framework for continuous and Secure development of complex systems

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AIDOaRt follow-up


The ongoing ECSEL-JU AIDOaRt project is focusing on AI-augmented automation supporting the continuous engineering of complex systems.



AIDOaRt
AI-augmented Automation for DevOps, a model-based framework for continuous development in Cyber-Physical Systems



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WEBSITE

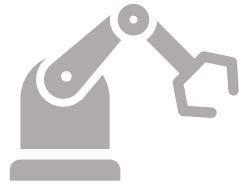
The AIDOaRt **model-based framework** brings **DevOps** together with a combination of advanced **Model Driven Engineering (MDE)** and **Artificial Intelligence (AI)** principles and techniques.

The project aims to use AIOps to automate decisions and processes and complete the system development tasks.



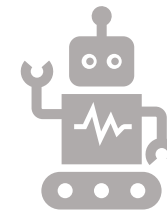
Challenges and Objectives

AIDOSec aims to extend the AIDOaRt framework to consider **security aspects** in the **early stage of continuous system and software development**.



MDE will contribute by

- Providing better abstraction and facilitating automation.
- Supporting technology integration among all the covered design and development activities.



AI, notably Machine Learning (ML), will contribute by

- automating repetitive and time-consuming cybersecurity tasks

Expected Impact

- Industrial uptake of AIDOSec technologies on the development of complex systems with relevance for all security-critical applications:
 - Automating repetitive processes
 - Reducing costs in the process
- AI-augmented automation supporting SecDevOps promises vast and long-term economic value added in ultra-large system development
- 36 months duration / 25-35 M€ budget

Project Idea Name

Technical goals

- Explain how the project intends to overcome technological blocking points or extend state-of-the-art

Needed profiles

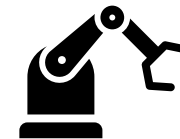
Cyber Security



Artificial Intelligence



Machine learning




DevOps



SE

- Mälardalen University
- RISE Research Institutes of Sweden
- Mälardalen University
- Alstom
- Westermo




FR

IMTA
SOFT
IMT Atlatique




AT

Automated Software Testing GmbH
AST
Johannes Kepler University Linz
AVL List GmbH
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AIT



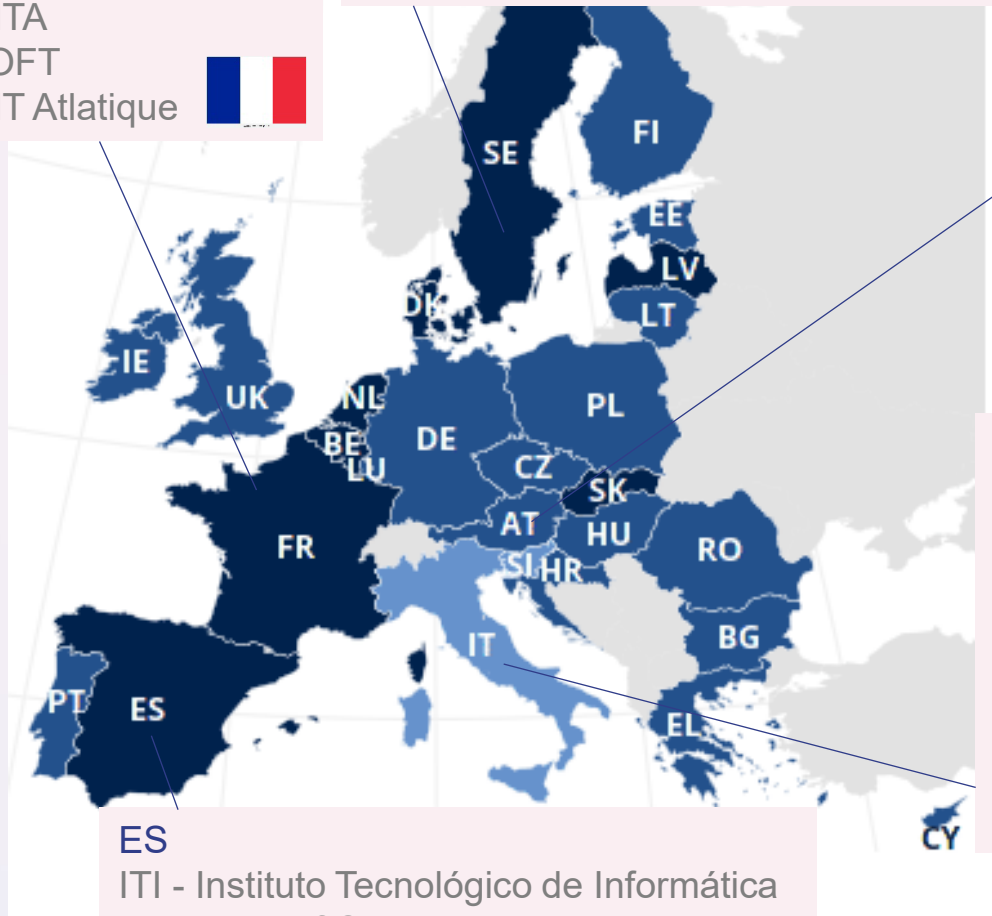
IT

Intecs Solutions
University of Sassari
Tekne
Swascan
University of Teramo
Abinsula Srl
Università degli Studi dell'Aquila - DISIM/DEWS
Innovation River



ES

ITI - Instituto Tecnológico de Informática
University of Cantabria
ACORDE Technologies

Known partners

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