MOSAICO

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Introducing new European project MOSAICO: Pioneering a new era in software development with human-AI collaboration

[February 26, 2025] – Embarking on a groundbreaking mission, MOSAICO Project is an Horizon Europe project set to transform Europe's software development landscape. With a funding totaling over €5M for a 36-month period, this innovative project aims to empower developers by integrating advanced AI agents into the software development process.

MOSAICO addresses the demands of an increasingly digital world, for innovative, efficient, and secure software solutions. Combining human expertise with state-of-the-art AI, MOSAICO is redefining software creation and maintenance in Europe.

Led by a consortium of 12 partners from 9 countries—including top research institutions, universities, industry innovators, and open source champions—MOSAICO is positioned to become a catalyst for change in the industry.

To achieve its goals, MOSAICO will focus on:

- **Innovative collaboration platform:** create a cutting-edge platform that ensures seamless communication between AI agents and developers, streamlining workflows and enabling real-time problem solving
- **Diverse AI agent suite:** develop a comprehensive repository of AI tools to assist at every stage of software development—from initial requirements and design to coding, testing, and deployment**Human-AI interaction excellence:** implement intuitive interfaces that foster natural collaboration, enhancing creativity and efficiency
- **Ethical and transparent governance:** establish a strong governance framework to ensure ethical standards and transparency throughout the project

Impact and opportunities

MOSAICO is delivering tangible benefits across Europe by:

- **Boosting Developer Productivity:** Automation of repetitive tasks allows developers to concentrate on creative and strategic aspects of software design, driving innovation.
- **Enhancing Software Integrity:** AI-driven testing and analysis are significantly improving code quality, security, and long-term maintainability.
- **Catalyzing Industry Collaboration:** The initiative unites leading research institutions, universities, and industry pioneers, fostering an environment of shared expertise and technological advancement.

Project structure and consortium

The MOSAICO consortium comprises 12 partners from 9 different countries, representing a balanced mix of research centres, universities, and industry leaders. Key partners include:

- **Academic and Research Excellence:** IMT Atlantique, University of York, Università degli Studi dell'Aquila
- **Industry Innovators and SMEs:** Netcompany-Intrasoft, Immersion, National Bank of Greece, COLLINS, UNPARALLEL Innovation, CodiumAI
- **Community and Open Source Champions:** Eclipse Foundation Europe and F6S Network

Each partner plays a pivotal role across distinct work packages, completing itself in capabilities and experience —ranging from technical development and protocol design to integration, governance, and communication—ensuring the project's comprehensive progress towards a common vision..

Successful Kick-Off Meeting

The project officially kicked off on January 21-22, 2025, at the facilities of Project Coordinator, IMT Atlantique, in Nantes. Over two days, consortium partners engaged in workshops, presentations and interactive discussions that laid a strong foundation for MOSAICO's roadmap. This collaborative dialogue has reaffirmed MOSAICO's commitment to innovation, ethical governance, and effective human-AI collaboration.

As MOSAICO moves forward, it promises to shape a future where technological advancement and human ingenuity converge to drive sustainable and transformative software development across Europe.

Media Inquiries

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