

Four Horizon Europe projects establish AGenSE, the Alliance for Generative Software Engineering

August 2026 – *Four Horizon Europe research projects have established AGenSE, the Alliance for Generative Software Engineering, to support the trustworthy adoption of generative AI across the software development lifecycle.*

AGenSE connects AI4SWEng, ASTIR, HIVEMIND, and MOSAICO. Each project addresses a different area of AI-assisted software engineering, including formal verification, software testing, model-driven engineering, multi-agent systems and human-AI collaboration. Through the alliance, the projects will coordinate activities and explore how their research results can complement one another.

The constituent meeting of the cluster took place on June 11, 2026, chaired by Alejandra Hidalgo, Communication and Dissemination Senior Assistant at IDENER.AI, who leads the clustering activities within the HIVEMIND project. During the meeting, the partners defined the initial objectives and planned the first collaborative activities.

A shared European platform

Generative AI is increasingly used to generate, test, verify and maintain software. Its adoption also raises important questions concerning code reliability, security, interoperability and the role of developers in AI-assisted processes. By pooling resources, sharing data, aligning evaluation benchmarks, and coordinating dissemination activities, the AGenSE Alliance aims to:

- Avoid duplication of effort across the four projects
- Create a unified European voice in the field of generative AI for software engineering
- Develop common standards and evaluation frameworks
- Amplify the visibility and impact of their research through joint events, publications, and outreach.

Areas of expertise

The four projects contribute complementary expertise across key areas of generative AI and software engineering. **ASTIR** focuses on intelligent reasoning and advanced testing methods to improve software reliability, while **AI4SWEng** develops AI-based tools that

support developers throughout the software lifecycle. **MOSAICO** combines model-driven engineering with artificial intelligence for industrial software systems, and **HIVEMIND** explores human-centric multi-agent environments that enable effective collaboration between software professionals and AI agents.

Over the coming months, the alliance plans to create a common visual identity and website, launch a podcast series, organise workshops and establish channels for regular technical exchange between the projects.

AGenSE positions itself as a European reference in a field that is critical for the continent's digital sovereignty, industrial competitiveness, and technological leadership.

About the projects:

- [AI4SWE_{ng}](#) – AI for Software Engineering. Develops AI-driven tools to assist developers throughout the software lifecycle.
- [ASTIR](#) – Advancing Software Engineering for Intelligent Robotics. Focuses on requirements engineering, testing, and automated reasoning for reliable AI-generated code.
- [HIVEMIND](#) – Human-centric AI-driven Software Engineering. Builds adaptive multi-agent frameworks where developers and AI agents collaborate seamlessly.
- [MOSAICO](#) – Model-based Systems and AI for Industrial Cooperation. Combines model-driven engineering with AI for industrial-scale software systems.

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