Press Release

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AI-on-Demand Platform Expands to Accelerate European AI Innovation Across Research and Industry

The AI-on-Demand Platform (AIoD) has significantly expanded to include new services for **research** and **industry** within a **unified digital infrastructure**: the EU flagship initiative provides a single, trusted access point for cutting-edge European AI tools, data, and services for research and industry. As a unified gateway, the AIoD connects previously fragmented resources across the European AI ecosystem, making them accessible, reusable, and tailored to user needs. Developed through the EU-funded DeployAI and AI4Europe projects, the AIoD represents a one-stop shop that bridges the gap between research and business. It is a cornerstone of Europe's strategy to accelerate AI innovation, enhance technological sovereignty, and position European values of trustworthiness, transparency, and responsibility at the heart of global AI development.

A Strategic Gateway: Connecting Research and Industry under One European Vision

The AIoD provides a **dedicated dual-track system** to meet the distinct needs of Europe's research community and its industry players:

- **Research**: The AIoD delivers a powerful, researcher-focused suite of datasets, tools, and other AI resources, driving forward trustworthy, cutting-edge AI research across Europe. It aggregates results from EU-funded AI projects, making them discoverable, reusable, and shareable, and so helps foster a European community of AI developers, scientists, and innovators.
- **Industry**: The platform provides market-ready, enterprise-level AI tools and services as well as access to computing. It supports businesses, start-ups and SMEs, and public sector organisations in developing, training, and deploying AI applications efficiently and responsibly.

This strategic alignment ensures Europe's AI ecosystem is not just competitive but also collaborative, fostering ecosystem building and cross-sector synergies and accelerating the time-to-impact for both scientific breakthroughs and industrial innovation.

Empowering European Research Excellence

The research track provides a version of the AIoD tailored for researchers and innovators. It introduces a modern, intuitive interface and access to over 500,000 harvested AI assets, including datasets, tools, and resources, enabling efficient AI tool development across diverse infrastructures. Crucially, it acts as a repository of publicly funded AI research, with built-in pathways for technology transfer, ensuring that datasets, tools, and results are not only preserved but actively reused, turning fragmented research outputs into a shared foundation for Europe's AI future.

With tools like the Metadata Catalogue for unified searches, the AI Catalogue for resource organisation, and the Research and Innovation AI Lab (RAIL) for collaborative AI research, the platform empowers users at every stage of AI development. The AI Builder simplifies complex tasks, while the upcoming Success Stories service will connect users to experts, providing practical insights from real-world applications.

The platform also features the EU AI Ecosystem Mapping tool for collaboration, Eurocore, a European repository for robotics, and RoboCompass, which guides responsible innovation in robotics. All tools are integrated with secure, single sign-on access.

The coordinator of AI4Europe, Barry O'Sullivan (UCC), stated: *"The new version of the AI-on-Demand Platform strengthens our ability to provide European researchers with trustworthy, cutting-edge AI tools. This upgrade will foster greater collaboration and innovation, driving tangible impact across Europe by enabling more efficient AI research, development, and application."*

AI4EUROPE   DeployAI

Build, Train, Operate: AIoD supports the full lifecycle of AI innovation

The industry track equips businesses with the resources to harness AI effectively by lowering technical barriers, navigating regulatory requirements with confidence, and enabling the development of trustworthy AI aligned with European values. It contributes to Europe's strategic sovereignty by offering strong, reliable alternatives to non-European providers.

The AIoD supports the full lifecycle of AI innovation, from research and development to deployment:

- **Build**: It provides a vendor-neutral development framework enabling efficient technology selection and application prototyping.

- **Train**: It offers direct access to EuroHPC resources for high-performance AI model training.

- **Operate**: It delivers a trusted, European-based hosting environment for deploying AI solutions, complemented by an AI-focused eCommerce marketplace.

A wide range of market-ready solutions has already been available since the first release of the platform. The industry track includes a robust suite of business-oriented tools:

- The Business Navigator, a dedicated mapping tool to help users discover and connect with European AI start-ups, technologies, and services across the ecosystem

- An open-source eCommerce platform and AI marketplace giving visibility to AI developers across the European Union

- Low-code AI development tools, including AI-Builder and AI-Runner

- HPC-as-a-Service for AI model training at scale

- Enterprise-ready Kubernetes for deploying AI applications

- Access to secure generative AI and large language model solutions

Joachim Köhler, Project Coordinator of DeployAI (Fraunhofer IAIS), said: *"The AI-on-Demand Platform represents a unified approach to European AI, meeting the needs of both research and industry communities. Through the DeployAI project, we are delivering industry-ready solutions while ensuring alignment with European values of transparency and trustworthiness. This is just the beginning of our journey to create a comprehensive European AI infrastructure."*

Background and Funding

The AI-on-Demand Platform is developed through two complementary grants funded by the European Commission under the Horizon Europe and Digital Europe Programmes: AI4Europe (€9M) and DeployAI (€28M). AI4Europe, led by the University of Cork, brings together 24 partners focused on expanding and enhancing the AIoD ecosystem for researchers, academics, innovators, and SMEs. The project started in June 2022 and concludes in December 2025. DeployAI, coordinated by Fraunhofer IAIS, unites 28 partners across 13 countries and runs from January 2024 to December 2027.

More Information

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