TITAN advances secure data sharing at Verona consortium meeting

Verona, Italy, March 3rd and 4th, 2026 – The TITAN project team has wrapped up a high-energy, two-day Consortium Meeting in Verona, marking a significant step forward in making Europe's sensitive data more secure and accessible. Hosted by the Veneto Region at the Verona Chamber of Commerce on March 3rd and 4th, 2026, the meeting brought all project partners together to advance the secure data-sharing frameworks designed to protect the next generation of European research.

The focus in Verona was clear: move TITAN from theory into the real world. The team spent the sessions refining and testing two core technologies: **Trusted Execution Environments (TEEs)** and **Federated Learning**. In simple terms, these tools allow scientists to analyse sensitive information, such as medical records or proprietary business data, without ever actually "seeing" or moving the raw files. Think of it like getting the answers you need from a document without ever having to open the file.

Bridging Open Science and Total Privacy

The meeting main goal was to ensure these security tools integrate seamlessly with the **European Open Science Cloud (EOSC)**. The mission is to prove that "open science" doesn't have

to mean "exposed data without control." TITAN aims to make scientific findings transparent and accessible while keeping the underlying private data completely ironclad.

From High-Tech to the Vineyard

To see how these abstract concepts apply to local industry, the group concluded the week at **Cantina Valpolicella Negrar**. There, they explored how TITAN's secure data-sharing platform can help winemakers predict pest risks and shifting weather patterns.

With TITAN's results, competing vineyards can pool their environmental data to improve crop yields without the risk of leaking sensitive business secrets to one another. It's a win-win for local agriculture: collaborative intelligence with individual privacy.

> *"The progress we've made in Verona sets the stage for a decisive year,"* said the project coordinator, Antonio Skarmeta. *"We are officially moving out of the planning phase and into real-world pilots across healthcare and agriculture."*

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About TITAN - Trusted envIronments for confidenTiAl computiNg and secure data sharing:

Funded by the European Commission, TITAN has the overall objective of enriching the EOSC Interoperability Framework (IF) by developing a software platform solution for confidential collaboration and privacy-preserving data processing.

The 36-month project proposes to develop secure and trustworthy confidential data processing and sharing capabilities and demonstrate them in the EOSC ecosystem. The sharing of sensitive data will follow FAIR data and open science principles. The project puts significant emphasis on privacy preservation and AI technological solutions in line with existing ethical, regulatory and legal EU boundaries. The developed open-source software platform will focus mostly on the two use cases present in the project: government data and healthcare.

TITAN is composed of a strong consortium of 16 partners: Universidad de Murcia, Fujitsu Technology Solutions, Zentrix Lab, Canary Bit, Ultraviolet, F6S, University of Eastern Finland, Odysseus Data Services, Trilateral Research, Charité University Berlin, Inserm, Sociedad Aragonesa de Gestión Agroambiental, Regione del Veneto, Universität Koblenz, Instituto

Tecnologico De Aragón and Fraunhofer Gesellschaft, coming from Academia & Research, Industry, SMEs and Governments

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