TITAN Project Enters Decisive Implementation Phase Following Brussels Meeting

BRUSSELS, 10 October 2025 – The TITAN Project consortium, a Horizon Europe initiative focused on secure cross-border data sharing, successfully concluded its latest two-day meeting in Brussels on 9 and 10 October. Hosted at the Maison Irène et Frédéric Joliot-Curie, the event marked the project's decisive shift into Phase 2: Implementation and Validation.

The consortium, made up of leading experts in confidential computing, ethical AI, and digital health, confirmed that its secure, open-source architecture is moving from the design phase to active deployment. This sets the stage for vital pilot testing across multiple European domains.

Technical Focus: Proving Security in Practice

The Brussels meeting focused squarely on integrating the platform's foundational elements to prove that the security measures work in practice.

- Architectural Integration Confirmed: Partners in Secure Data Sharing (WP3) and Federated Orchestration (WP5) verified the successful integration of core components.

Funded by the European Union

This confirms the platform's unique ability to manage encrypted data analysis across widely distributed networks.

- **Validation Roadmap Finalised:** The roadmap for **Validation Use-cases (WP7)** was defined, with a concentration on preparing the Healthcare Confidential Computing pilots. This ensures the platform is ready to generate reliable **Real-World Evidence (RWE)** while meeting stringent patient privacy standards.
- **Pilot Instantiation:** Detailed scenarios and demonstrations were conducted, providing the technical proof that the frameworks are now ready to be instantiated within the physical and virtual environments of the use-case partners.

The successful completion of these planning objectives means the project is well-positioned to deliver its core promise: establishing a verified, trusted environment for sensitive data research within the **European Open Science Cloud (EOSC)** ecosystem.

Contributing to European Data Strategy

TITAN's work continues to actively reinforce Europe's digital infrastructure goals:

- **EOSC and Data Spaces:** The project's commitment was highlighted by the recent presentation of its paper on **EOSC** and **Data Spaces** at the GIECS Summit. The work details how TITAN is bridging the gap between the EOSC Vision and Data Spaces to achieve genuine cross-sectoral interoperability.
- **Future Resilience:** TITAN formalised its support for the MobiSec 2025 Special Session on the Secure and Cognitive Continuum (SECON), underscoring the project's contribution to securing the highly distributed **IoT-edge-cloud continuum** using **Trusted Execution Environments (TEEs)**.

This strategic alignment ensures that TITAN's final open-source platform will provide the essential security and compliance foundation needed for the next generation of European data collaboration.

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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