

Impact and Vision

To enable privacy-preserving processing of sensitive data in a manner that is compliant with GDPR and fosters a secure data-sharing environment across the EU.

Project Overview

Name: ENCRYPT

Funding: €4,392,540, Horizon Europe Framework Programme

Duration: 36 months (07/2022 – 06/2025)

Objectives

- Develop scalable, practical privacy-preserving technologies for cross-border federated computation.
- Enhance user-friendliness and interoperability of privacy-preserving technologies.
- Foster GDPR-compliant European Data Spaces.

Technologies and Innovations

Privacy-Preserving Computation Technologies

- Homomorphic Encryption
- Trusted Execution Environments
- Differential Privacy.

Privacy-Supporting Technologies

- Advanced data preprocessing
- Knowledge Graphs
- AI-based Recommendation System

Key Deliverables and Phases

- In-lab validation
- ENCRYPT Use Cases
- External Validation

Use Cases

Health Domain

- Medical data privacy
- Cyber Threat Intelligence
- Enhancing cyber resilience

Fintech

- Secure financial data sharing

Consortium Composition

14 partners from 8 countries including start-ups, SMEs, enterprises, and research institutes. Coordinator: EXUS, Greece.



Funded by
the European Union



encrypt

This work is supported by the European Union's Horizon Europe programme under grant agreement No 101070670.