encrypt

Impact and Vision

Enable privacy-preserving processing that is compliant with GDPR and fosters a secure data-sharing environment across the EU.

Objectives

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

Technologies and Innovations

Privacy-Preserving Technologies
- Differential Privacy
- Fully Homomorphic Encryption
- Trusted Execution Environments
- Hybrid Trusted Execution Environment and Fully Homomorphic Encryption solution

Privacy-Supporting Technologies
- Advanced data preprocessing
- AI Recommendation System
- Knowledge Graphs
- GPU Acceleration
- Risk Assessment Tool

Funding: €4,392,540
Horizon Europe Framework Programme
Duration: 36 months (07/2022 – 06/ 2025)

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