Consortium
The consortium consists of 13 partners from ten (10) European countries: Greece, Luxembourg, Belgium, Ireland, Switzerland, Germany, France, Portugal, United Kingdom and Malta.

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Duration: 36 months
Participating organisations: 13
Number of countries: 10

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SENTINEL at a glance

SENTINEL will bridge the security and personal data protection gap for European SMEs/MEs, by raising awareness and boosting their capabilities in the domain through innovation at a cost-effective level.

This vision will be realised by integrating tried-and-tested security and privacy technologies into a unified digital architecture and then applying disruptive intelligence for Compliance.

Combined with a well-researched methodology for application and knowledge sharing and a wide-reaching plan for experimentation for innovation, SENTINEL will help small enterprises feel considerably more secure and safeguard their and their customers’ assets.

OBJECTIVES

- Develop and support a flexible, efficient and secure end-to-end digital Privacy and Personal Data Protection (PDP) compliance framework and Identity Management System (IdMS) for SMEs/MEs
- Provide technological advances in automated data protection compliance assessment, such as tailor-made automated requirements engineering as a service, Machine Learning anomaly detection and recommendation systems and a Unified IdMS
- Provide novel tools and services for enabling highly automated PDP compliance in SMEs/MEs
- Validate, demonstrate and carry out experimental evaluation of the proposed framework on real-world SMEs/MEs operation scenarios
- Raise awareness, collaborate with standardisation bodies and ensure technology transfer of project’s results via EU digital innovation hubs
- Boost the effectiveness of the EU data economy by offering high Technology Readiness Level solutions (TRL 6-7)

USE CASES

**ClinGenics** - A micro-enterprise
Implementing extra security measures for accessing genomic sequence and personal data from a bioinformatics platform-software pipeline.

**Tristone Investment Group** - An SME
Homogenising the approach to data protection and compliance across multiple portfolio businesses through a single platform

**UNINOVA** - SMEs/MEs engaged via Digital Innovation Hubs
Assessment of compliance regarding privacy and personal data protection within an ecosystem of SMEs and Mes