

Shield. European Security in Health Data Exchange

Consortio: Fundacion Tecnia Research & Innovation Spain; Aimes Grid Services Community Interest Company United Kingdom; University of Southampton United Kingdom; Servicio Vasco de Salud Osakidetza Spain; Fondazione Centro San Raffaele Italy; Lancashire Care Nhs Foundation Trust United Kingdom; Symphonic Software Ltd United Kingdom; IBM Israel - Science And Technology Ltd Israel; Stelar Security Technology Law Research UG Germany; Metrarc Limited United Kingdom; Ibermatica Spain

Tecnología: Inteligencia Artificial

Descripción general:

SHIELD aims to create an open and extendable security architecture supported by security mechanisms and privacy by design modelling and analysis tools to provide systematic protection for the storage and exchange of health data across European borders, subject to control by the data subjects, compatible with existing regulatory

frameworks, ensuring the privacy, availability and correctness of the data while improving trust of patients in the security of their data and its use to address their needs.

SHIELD will overcome these security and compliance barriers by:

- Providing models and analysis tools providing automated identification of end-to-end security risks and compliance issues and supporting privacy and compliance 'by design'.
- Using this to analyse compliance rules across borders with reference to the security risks they address, to identify how they could be improved and converged to address a common set of privacy risks, and feed this into the standards being developed by CEN, Cenelac and ETSI to meet the requirements identified by the forthcoming General Data Protection Regulation.
- Defining an open and extensible data exchange architecture based on epSOS, able to supporting security measures to address these risks.

- Developing security mechanisms to deal with new and emerging risks, such as inference attacks on sensitive data, and risks from relatively unprotected mobile edge devices.
- Providing faster and more cost effective methods to verify and monitor compliance with multiple sets of applicable regulations.

Programa: H2020-DS-2016-2017/H2020-DS-SC1-2016 (727301)

Duración: 36 meses (2016 – 2019)

Presupuesto global proyecto: 3.897.267,50 €

Presupuesto Grupo Ayesa: 130.312,50 €

