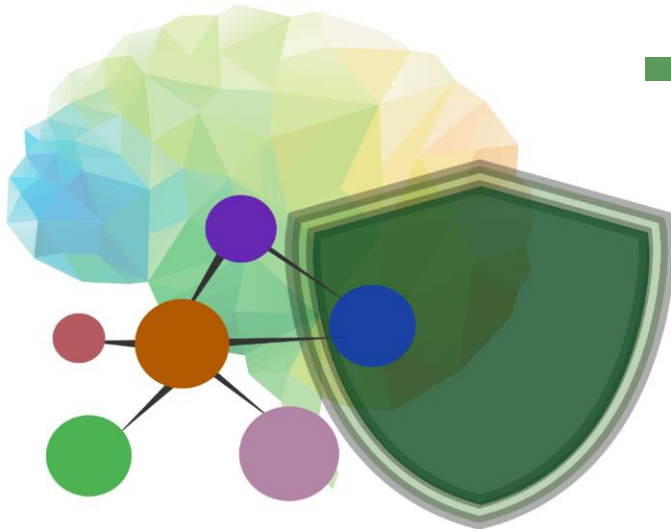


SECURED NEWSLETTER

ISSUE #5 | NOVEMBER 2025



SECURED

EU Project

WELCOME

Welcome to the fifth newsletter of the SCALING UP SECURE PROCESSING, ANONYMIZATION AND GENERATION OF HEALTH DATA FOR EU CROSS BORDER COLLABORATIVE RESEARCH AND INNOVATION EU project, formally named also as SECURED.

In this newsletter we present the latest project's news, focusing on the final upcoming events of SECURED: our second **Webinar “Enabling Trustworthy Health Data Innovation through the SECURED InnoHUB”**, and the **Second SECURED Demonstration Workshop** that will be held in Badalona, Spain.

EVENTS & NEWS

Pages 2-7 include upcoming events and provide the current update of the project from April 2025 until November 2025.

NEW PUBLICATIONS

Page 7 includes the latest publications by the project.

BASIC INFO

Page 8 provides initial information regarding the project, including the members of the Consortium, basic facts of the project and social media platforms.

EVENTS & NEWS

SECOND SECURED WEBINAR: ENABLING TRUSTWORTHY HEALTH DATA PROCESSING THROUGH THE SECURED INNOHUB

November 18th, 10:00 – 13:00 CET

The SECURED project invites you to its **second public webinar**, where partners will present the technologies, tools, and services that make up the **SECURED InnoHUB**: a secure and collaborative environment for privacy-preserving processing and sharing of health data.

This webinar will take a deeper look at how SECURED's technologies and services can support secure research and innovation in healthcare data. Participants will gain a practical understanding of different privacy-preserving approaches, see live examples from real use cases, and learn how to access and use the InnoHUB platform.



What to expect:

- An introduction to SECURED and the ethical challenges of health data sharing.
- An accessible overview of **Federated Learning**, **Homomorphic Encryption**, **Anonymization**, and **Synthetic Data Generation** techniques.
- A walkthrough of the InnoHUB platform, and how to access its tools, services and libraries.
- Demonstrations of four **pilot use cases**, showing how SECURED tools are applied in real medical and research contexts:
 - *Data Privacy in Ultrasound-Assisted Neurosurgery*
 - *AI-powered Telemonitoring for Pediatric Patients*
 - *Synthetic Data Generation for Education*
 - *Genomics and Electronic Health Records*



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- Presentations of InnoHUB's additional tools and services, including [Legal/GDPR Compliance Check](#), [Anonymization Decision Support](#), and [Bias Assessment tool](#).
- Live Q&A and discussion with consortium experts.

Who should attend:

The webinar will bring together healthcare professionals, data managers, policymakers, and researchers interested in privacy-preserving analytics and secure data collaboration.

Date: November 18th 2025, 10:00 – 13:00 CET

Format: Online

Duration: 3 hours

Download the [agenda](#).

Follow the link to [register](#).

SECOND SECURED DEMONSTRATION WORKSHOP

Badalona, 3-4 December 2025, Josep Carreras Leukaemia Research Institute

The **Second SECURED Demonstration Workshop**, hosted by [Josep Carreras Leukaemia Research Institute](#) on the 3rd and 4th of December 2025 in Spain, will be an engaging two-day event dedicated to showcasing and testing the SECURED technologies with both healthcare and cybersecurity professionals. Participants will have the unique opportunity to explore how **SECURED** enables **safe and privacy-preserving access and processing of various modalities of biomedical data**, through a combination of **expert-led seminars, practical demonstrations**, and **panel discussions**.

Day one will focus on the medical and clinical perspective, with sessions highlighting ethical considerations in healthcare cybersecurity, technology workshops, and practical demonstrations. This day is designed not only to train stakeholders on cutting-edge technologies such as Federated Learning, Fully Homomorphic Encryption, and De-anonymisation



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methods, but also to give them hands-on experience in evaluating real-world applications of these methods for biomedical and research environments.

On the **second day**, the technical programme will bring together cybersecurity experts and bioinformaticians to dive deeper into the technological foundations of SECURED, through showcases of anonymisation techniques and synthetic data generation, including collaborative presentations from SECURED's partners and open call participants. This workshop offers a rare chance for participants to directly contribute feedback to the project, while networking and exchanging ideas with an international community of experts.

This event is an excellent opportunity for medical professionals, researchers and innovators to explore cutting-edge technologies and the future in health care.

Follow the link to check the **agenda** and [register](#).

Ecosystems of Innovation in Healthcare: Ensuring Trust, Quality & Ethics in Data Use

EBDVF 2025, Copenhagen, November 14th 2025

The [HealthData4EU Cluster](#) hosted the session “Ecosystems of Innovation in Healthcare: Ensuring Trust, Quality & Ethics in Data Use” at the European Big Data Value Forum (EBDVF) 2025, organised by [BDVA – Big Data Value Association](#), in Copenhagen.

The session will explore how four from the seven European projects of the cluster are shaping the future of health data, from synthetic data generation and privacy-preserving technologies to secure data spaces that ensure trust, quality, and ethics in AI-driven healthcare.

SECURED Project's Coordinator **Francesco Regazzoni** shared insights about secure and interoperable data spaces from the “infrastructure” perspective, showing how the approaches introduced by the other projects are scalable across Europe. He showed the features of the SECURED InnoHUB and explained, by means of specific use cases, how they can be used in the medical domain, to ensure trust in the data, guarantee their quality, and achieve privacy by constructions.

[Find out more](#)



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Open Day: “Cybersecurity & Privacy-Preserving Technologies for Healthcare” Erasmus MC, Rotterdam, October 9th 2025



On October 9th 2025, Erasmus MC hosted the **Cybersecurity Open Day on Privacy-Preserving Technologies for Healthcare**, an interactive event organized by the Horizon Europe projects **SEPTON** and **SECURED**. The Open Day included keynotes, live demonstrations, posters, and a panel discussion, providing a comprehensive view of how cybersecurity and privacy-preserving technologies are reshaping healthcare.

The event provided participants with insights into protecting sensitive patient data, securing medical devices, and ensuring compliance with future regulations. It also demonstrated how these advances enable the safe development of new medical services, research collaborations, and MedTech innovations.

[Read more](#)

SECURED Privacy Preservation Tutorial 7th CPS Summer School, September 22-26, Sardinia, Italy

SECURED project participated in the **7th CyberPhysical Systems (CPS) Summer School** in Sardinia, Italy (22-26 September 2025) with a specialized Tutorial on Privacy Preservation. In the tutorial, F. Regazzoni, P. Palmieri and A. Fournaris from UvA, UCC and ISI respectively demonstrated how secure computation techniques including homomorphic encryption can be adopted in constrained settings, and applied to CPSs and medical devices. Students were introduced to the basics of secure computation and practiced with state of the art libraries that are used in SECURED, implementing the presented techniques.



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SECURED Project 5th Plenary Meeting

Alghero, Sardinia, June 4-5 2025



The SECURED project **fifth plenary meeting** took place on June 4–5, 2025, in the beautiful coastal city of Alghero, Sardinia, kindly hosted by our partners from the **University of Sassari**. Over two productive and inspiring days, all project partners gathered to review the progress achieved so far and to align on the next steps towards the project's ambitious objectives. The discussions covered both the technical and strategic aspects of SECURED, highlighting how the consortium's collaborative efforts are advancing privacy-preserving data processing and secure innovation in the health sector.

[Read more](#)

1st Secured Open Day

Madrid, 8-9 April 2025, Hospital Niño Jesús



1st SECURED Open Day

8-9 April, Madrid, Spain

Hospital Niño Jesús

The first Open Day of the **SECURED project** took place on April 9, at **Niño Jesús University Children's Hospital** in Madrid. This event was organized by one of SECURED's use case leaders and showcased the real-world application of secure, privacy-preserving technologies in pediatric care.

[Read more](#)



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Synthetic data generation tools for medical education Webinar

2 April 2025, 15:00 – 17:00 CET

Learn how synthetic data is revolutionizing medical education in this **free webinar** organised by the SECURED project, featuring four innovative AI tools designed to support teaching, training, and research, all while ensuring privacy and ethical data use.

Follow the link to watch the webinar's video recording:

https://youtu.be/0zkTo_xRzKI



Latest Publications

Journal Articles

- Pandolfo, L., Corona, G., Guidotti, D., & Pulina, L. (2025). **A Knowledge-Driven Approach to Threat Validation and Security Reasoning in Modular Systems**. IEEE Access, vol. 13, pp. 149817-149833, DOI: [10.1109/ACCESS.2025.3602292](https://doi.org/10.1109/ACCESS.2025.3602292).
- Nisevic, M., Milojevic, D., & Spajic, D. (2025). **Synthetic Data in Medicine: Legal and Ethical Considerations for Patient Profiling**. Computational and Structural Biotechnology Journal. DOI: [10.1016/j.csbj.2025.05.026](https://doi.org/10.1016/j.csbj.2025.05.026)
- Engelen, M., Betting, R., & Strydis, C. (2025). **SimHH: A Versatile, Multi-GPU Simulator for Extended Hodgkin-Huxley Networks**. IEEE Access, vol. 13, pp. 46865-46880, DOI: [10.1109/ACCESS.2025.3550444](https://doi.org/10.1109/ACCESS.2025.3550444).

Conference Proceedings

- Xhemrishi, M., Graell i Amat, A., & Pejo, B. (2025). **Detect & Score: Privacy-Preserving Misbehavior Detection and Contribution Evaluation in Federated Learning**. In Proceedings of the International Workshop on Secure and Efficient Federated Learning (pp. 1-6). DOI: [10.1145/3709023.3737692](https://doi.org/10.1145/3709023.3737692).

Book Chapters

- Spajić, D. (2025). **Data Altruism Consent: A Move Forward Towards the Creation of a European Health Data Space?**. In: Casarosa, F., Gennari, F., Rossi, A. (eds) Enabling and Safeguarding Personalized Medicine. Data Science, Machine Intelligence, and Law, vol 7. Springer, Cham. DOI: [10.1007/978-3-031-99709-9_3](https://doi.org/10.1007/978-3-031-99709-9_3).
- Spajić, D. (2025). **Transforming the secondary use of patient data in the European Health Data Space: A challenge for the patient's right to medical confidentiality?** In The European Health Data Space. Taylor & Francis. DOI: [10.4324/9781003544111-7](https://doi.org/10.4324/9781003544111-7).

[See all publications](#)

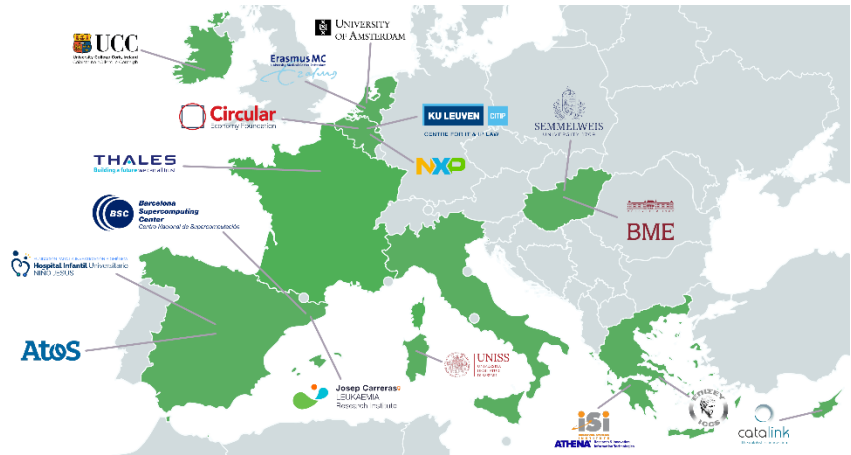


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CONSORTIUM

The SECURED project is bringing together 17 partners from 9 different European countries highlighting the expertise to successfully accomplish the needs and goals of the project.

[More info on the consortium here](#)



PROJECT BASIC INFORMATION

Title: SCALING UP SECURE PROCESSING, ANONYMIZATION AND GENERATION OF HEALTH DATA FOR EU CROSS BORDER COLLABORATIVE RESEARCH AND INNOVATION

Acronym: SECURED

GA No: 101095717

Start: 01 January 2023

End: 31 December 2025

Topic: HORIZON-HLTH-2022-IND-13-02

Type of action: HORIZON-RIA

Project Coordinator: Francesco Regazzoni

Project Coordinator Institute: University of Amsterdam

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