

AGENDA for the Workshop:

Synthetic data generation for medical education

[Registration link](https://forms.gle/CXkJtoQwppAHB1ot8) (https://forms.gle/CXkJtoQwppAHB1ot8)

Event organized by the SECURED Project: www.secured-project.eu | EU Horizon Europe project | Contract: 101095717

Date: October 2-3, 2024

Location: Conference Room, 2nd floor, House of the European Union

Budapest, Hungary, Lövvőház u. 35, 1024 - [Google Map Link](#)

Local organizer: Semmelweis University [EMK](#)



- Participation at this event is free of charge, and the organizers will provide coffee and meals during the workshop.

- We kindly ask all partners to bring their laptops to the event

Day 1: October 2, 2024

09:30 - 10:00 Registration and Welcome Coffee

10:00 - 10:05 **Opening Remarks**

- Welcome by SEMMELWEIS University team – Peter Pollner and Albert Aszalos
- Welcome by the Coordinator – Francesco Regazzoni, University of Amsterdam

10:05 – 11:00 **Session 1: SECURED project INTRODUCTION**

- The SECURED Project & Synthetic data generation for education – Albert Zoltan Aszalos, Semmelweis University
- Synthetic data generation in healthcare – Alberto Gutiérrez Torre, Barcelona Supercomputing Center
- Introduction to the SECURED Innohub - Christos Avgerinos, Catalink, Greece

11:00 - 11:30 **Session 2: Synthetic Data Generation Methodologies Part 1**

Cardiotocography (CTG) generation for education
Gergely Acs , Budapest Technical University

11:30 - 11:45 Coffee Break

11:45 - 12:45 **Session 3: Synthetic Data Generation Methodologies Part 2**

- Mammography: Alberto Gutiérrez Torre - Barcelona Supercomputing Center
- Chest X-ray: Alice Heliou - Thales

12:45 – 13:45 Lunch Break

13:45 - 14:15 **Session 4: Synthetic Data Generation Methodologies Part 3**

- Brain MRI Reconstruction - Institute of Communication and Computer Systems (ICCS), Athens

14:15 – 15:30 **Session 5: Hands-On Demonstrations**

Interactive session: Experimenting with synthetic data generation tools:
Mammography on the Innohub of the SECURED project, + CTG, X-Ray and MRI

15:30 – 15:50 Coffee break

15:50 - 16:15	Session 6: Designing and executing SECURED Open Call <ul style="list-style-type: none"> • Presentation by Kelly Mastoraki, Circular Economy Foundation + Q&A Session recorded for future communication of this Call
16:15 – 17:00	Session 7: Sister’s project pitch - 15’ pitch of sister project
17:00 – 17:50	Session 8: Round Table and Networking <ul style="list-style-type: none"> • round table with sister project partners • open mic at the end for session to interact with the audience.
17:50 - 18:00	Day 1 Closing Remarks - Summary of Day 1 Activities

Day 2: October 3, 2024

09:30 - 10:00	Welcome Coffee
10:00 - 10:30	Session 8: Legal and Ethical Guidelines for SECURED Technologies
10:30-11:30	Session 9: Anonymity <ul style="list-style-type: none"> • Data Anonymization - Atos • DeAnomyzation - University College Cork (UCC), Ireland
11:30 – 11:45	Coffee Break
11:45 – 12:45	Session 10: Privacy preserving Techniques <ul style="list-style-type: none"> • MIA + DP (theory, no demo) - Gergely Acs, Budapest Technical University • Core Privacy Preserving Computation techniques (SMPC/FHE)
12:45-13:00	Session 11: Next project steps Remarks by Project Coordinator and Project Team
13:00-14:00	Working Lunch and Networking
14:00 - 16:00	Synthetic health data generation for education. Forum for health professionals and synthetic data developers. Presentations and discussion lead by: <ul style="list-style-type: none"> • CTG: BME and Semmelweis: Moodle course for CTG education • Mammography - Barcelona Supercomputing Center • X-ray - Thales • MRI Reconstruction - Institute of Communication and Computer Systems (ICCS), Athens

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Photo consent: By attending the event, you consent to the use of photographs and videos taken of you during the event for use in SECURED project communication materials, on the website, or on social media.