



Final Programme

1st General Assembly | 7 & 8 October 2025

Radisson Blue Hotel, Teréz krt. 43, Budapest, Hungary

Hosted by GE Healthcare

Day before **Monday, 6 October 2025**

18:00-20:00 **SYNTHIA Informal Get-together**
[Elysian Budapest cocktail Bar](#), 1072, Budapest Akácfa utca 38.

Day 1 **Tuesday, 7 October 2025**

Moderation: Leonor Cerdá, IISLaFe & Amied Shadmaan, GE Healthcare

09:30 – 09:50 Participants registration

09:50 – 10:00 **Welcome and opening the General Assembly 2025 & day 1**

- Leonor Cerdá, IISLaFe
- Amied Shadmaan, GE Healthcare

10:00 – 10:20 **Keynote**

- Dr. András Horváth – Researcher, Pázmány Péter University, Faculty of Information Technology and Bionics

10:20 – 10:40 **Update on Innovative Health Initiative**

- Paloma Mallorquín, IHI

10:40 – 10:55 **Comprehensive update SYNTHIA year 1**

- María Algarra, IISLaFe
- Janna Slabbekoom, Matical
- Cristina Abad, IISLaFe

10:55 – 11:15 *Short break*

11:15 – 11:35 **The patient perspective on SD**

- Olga Millán, Patvocates

11:35 – 13:00 **SYNTHIA Synthetic Data Generation Methods: Illustrative Applications & Expert Panel**

- Amied Shadmaan, GEHC - Introduction
- Edina Timko, GEHC- SynBT: High-quality Tumor Synthesis for Breast, Tumor Segmentation by 3D Diffusion Model
- Gastone Castellani, UNIBO - Normalizing and matched flow, a unitary framework for Synthetic Data Generation

- Bogdan Kulynych, CHUV - SD generation methods with provable privacy guarantees
- Rick Overkleeft, LUMC - Creation of diverse synthetic DNA datasets
- Diego Felipe Valderrama Nino, Fraunhofer - MultiNSDEs: Dose-Guided Neural SDEs for Patient Trajectories and Counterfactual Predictions
- Davide Cirillo, BSC - Synthetic Data in Biomedical Research: From Knowledge Generation to Knowledge Discovery
- *Interaction and panel discussions*
- Panel: Edina Timko (GEHC), Gastone Castellani (UNIBO), Bogdan Kulynych (CHUV), Núria Queralt (LUMC), Holger Fröhlich (Fraunhofer) and Davide Cirillo (BSC).

13:00- 14:00 *Lunch break & networking*

14:00 – 14:45 **SYNTHIA Real-World Data**

- Adrián Galiana & Adam Casas, IISLaFe - Dealing with Real-World Data in a Clinical Site
- Pantelis Natsiavas CERTH - Understanding OMOP: Data Extraction and Standardization

14:45 – 15:45 **Perspectives on the SYNTHIA platform**

- Rajat Mittal, Gates Ventures - Value propositions and target stakeholders for the SYNTHIA platform
- Christophe Maes, i~HD - User needs and user stories identified for the SYNTHIA platform

15:45 – 16:05 *Break*

16:05 – 16:35 **SYNTHIA Technology Insights**

- Rahuman Sheriff, EMBL - The core components of the SYNTHIA platform
- Santiago Barrio, UPM - Federated learning infrastructure status and test done

16:35-17:00 **Closure of Day 1**

- Leonor Cerdá, IISLaFe
- Amied Shadmaan, GE Healthcare

17:00 Group photos

18:30 Assemble for city walk to dinner venue

19:00 – 22:30 **SYNTHIA Dinner - [Robinson Restaurant](#)** , 1146 Budapest, Városligeti tó (City Park)

Day 2 **Wednesday, 8 October 2025**

Moderation: Marco Di Bonaventura, Pfizer & Holger Fröhlich, Fraunhofer

09:00 – 9:30 Participants registration

09:30 - 09:40 **Opening day 2 of the General Assembly**

- Marco Di Bonaventura, PFIZER
- Holger Fröhlich, Fraunhofer

09:40 – 09:50 **Keynote**

Peták István – Founder & Chief Scientific Officer Genomate Co-founder of Oncompass Medicine, Adjunct professor at the Department of Pharmaceutical Sciences at the University of Illinois at Chicago (UIC).

09:50-10:20 **Ensuring Impact: Validating the SYNTHIA Use Cases**

- Eleonora Iascone, Humanitas – Introduction to SD evaluation, quality and clinical validation
- Mohamed Beyrem Kaabachi, CHUV - Methods for SD privacy evaluation
- Diego Valderrama, Fraunhofer - Methods for SD quality evaluation
- Gastone Castellani, UNIBO – SD Clinical evaluation
- Eleonora Iascone, Humanitas – Next Steps

10:20– 10:50 **Building Trust in Synthetic Data: Regulatory and HTA Perspectives**

- Bethany Shinkins, NICE
- Marco Di Bonaventura, Pfizer

10:50-11:05 **SYNTHIA data protection**

- Olga Startseva UNIVIE - Data Protection Impact Assessment (DPIA) framework & Data sharing agreement, EWG

11:05 - 11:25 *Break*

11:25 – 11:55 **SYNTHIA Communications and Scientific Dissemination - A shared commitment to excellence**

- Ellen de Waal, MATICAL - Update communication activities and *Bi-annual inventory and discussion of dissemination topics*
- Andela Skarpa, EAPM – Update policy activities

11:55 – 12:40 **Sustainability: Future-Proofing SYNTHIA**

Interactive discussion

- Dipak Kalra, i-HD

12:40 – 13:00 **Coordination update**

- Leonor Cerdá, IISLAFE - SYNTHIA wrap up and roadmap for RP2

13:00- 13:10 **Closure**

- Marco Di Bonaventura, Pfizer
- Holger Fröhlich, Fraunhofer

13:10 *Lunch*

Meetings in the afternoon

- 14:30-17:00 WP6/7 meeting
- Stella (Styliani-Christina) Frangkouli, CERTH- An ELIXIR Scoping Review on Domain-Specific Evaluation Metrics for Synthetic Data in Life Sciences
- WP10 meeting
- If you are interested to join, connect with e.dewaal@matical.com

More information

- **Link to attend the GA2025 remotely (via Teams), -> [click here](#)**
- **Host of the General Assembly 2025:** GE HealthCare
- **Organizing team:** WP1 & WP10
 - IISLAFE: María Algarra – maria_algarra@iislafe.es
 - IISLAFE: Cristina Abad – cristina_abad@iislafe.es
 - MATICAL: Ellen de Waal – e.dewaal@matical.com
 - MATICAL: Janna Slabbekoorn – j.slabbekoorn@matical.com
 - MATICAL: Ana Miguel Blanco – a.miguel@matical.com
- **Meeting venue:** [Radisson Blu Beke Hotel, Budapest](#) - Hungary
- **Meeting recording and photography:** Please note that the SYNTHIA General Assembly 2025 will be recorded, and photos will be taken throughout the meeting. The recordings and images may be used for communication purposes and reports. By attending the GA2025, you consent to the use of your image and voice in this context. If you have any concerns, please do not hesitate to speak with a member of the organizing team.

Last updated 6 October 2025 – 16:15 hrs.