



Synthetic Data Generation framework
for integrated validation of use cases
and AI healthcare applications

Kick-off Meeting

9 & 10 September 2024

Summarized hand-out

IISLAFE, Hospital Universitario y Politécnico la Fe
Valencia, Spain

This project is supported by the Innovative Health Initiative Joint Undertaking (IHI JU) under grant agreement No 101172872. The JU receives support from the European Union's Horizon Europe research and innovation programme and COCIR, EFPIA, Europa Bio, MedTech Europe, and Vaccines Europe and DNV.



Synthia kick-off meeting | 9 & 10 September 2024

Practical

Meeting venue

- IISLAFE, Hospital Universitario y Politécnico la Fe, Edificio Dirección, Administración y Docencia | Torre H
 - Address: Avenida Fernando Abril Martorell 106, 46026 Valencia, Spain
 - Phone: +34 961 24 40 00 (reception) | Website: www.hospital-lafe.com/



Dinner venue

- Restaurant El Coso, Salón Cielo, 3rd floor, Passeig de Neptú, 12, Poblats Marítims, Valencia

Meeting wifi

- <https://sanjuan.san.gva.es/wifi-sanitat-acceso-gratuito-a-internet-para-pacientes-y-familiares/>

Meeting streaming for remote attendance

- Meeting link: <https://gvsanidad.webex.com/gvsanidad/j.php?MTID=m31b05403f411a1fdc7ba485d6988116f>
- Password: Webex_Sep

Meeting recording and photography

- For communication purposes we will record the plenary programme presentations, in addition we will invite consortium partners for video interviews and plan a SYNTHIA group photo.



www.ihl-synthia.eu



[@IHI SYNTHIA >](https://twitter.com/IHI_SYNTHIA)

#SYNTHIA
#SYNTHIA_SyntheticData



[ihl-synthia >](https://www.linkedin.com/company/ihl-synthia)

Information | SYNTHIA Coordination Office

- **IISLAFE:** Cristina Abad Rodríguez | cristina_abad@iislafe.es
- **MATICAL:** Ana Miguel Blanco | a.miguel@matical.com
- **MATICAL:** Janna Slabbekoorn | j.slabbekoorn@matical.com

Information | SYNTHIA Communications

- **MATICAL:** Ellen de Waal | e.dewaal@matical.com

Time schedule

Day 1 – Monday, 9 September 2024

09:30 – 10:00 Participants registration

Opening ceremony

10:00 – 10:05 **Words of welcome to SYNTHIA: a new pioneering IHI public-private partnership**

Project Overview

10:05 – 10:15 **SYNTHIA: Leverage synthetic data to propel personalized medicine to new heights**

10:15 – 10:30 **SYNTHIA mission, strategy and project overview**

10:30 – 11:00 **Introduction by the Innovative Health Initiative (IHI)**

11:00- 11:30 Break | video interviews

11:30 – 11:55 **SYNTHIA project management and coordination: administrative and financial aspects**

11:55 – 12:10 **IHI Financial Guidelines**

SDG: Use cases, tools & methods, evaluation

12:10 – 13:10 **Parallel sessions use cases focus**

Use cases 1 and 2 oncology: Room H007

Use cases 3 and 4 hematology: Room H008

Use case 5 Alzheimer's disease: Room H010

Use case 6 Type 2 Diabetes: H005

13:10- 14:10 Lunch break | video interviews

SDG: Use cases, tools & methods, evaluation | continued

14:10 - 14:35 **WP3 – Use cases requirement analysis**

14:35 – 15:00 **WP6 – SDG tools and methods**

15:00 – 15:25 **WP7 – SD Evaluation, quality assurance and clinical validation**

Data management: Platform and protocols

15:25 - 15:50 **WP4 – Data collection and management**

15:50 - 16:15 **WP5 – Federated infrastructure environment and SD platform**

16:15 – 16:40 **WP8 – Ethical, legal and societal issues**

16:40 – 17:00 **Highlights and outcomes day 1**

17:00 – 17:15 SYNTHIA consortium group photo

20:00 - 22:00 Synthia social event

Day 2 – Tuesday, 10 September 2024

09:00 – 09:15 Participants registration

Real-life application of SD and SDG: Regulatory considerations, business and communication strategy

9:15 - 9:40 **WP9 – Regulatory and HTA considerations; real life application of SD**

9:40 – 9:55 **IHI Communications Guidelines**

9:55 – 10:10 **SYNTHIA: Engagement, communication, dissemination, training and policy**

10:10 – 10:40 Break | video interviews

10:40 – 11:10 **WP2 – Business and sustainability models**

11:10 – 12:35 **WP Parallel sessions**

12:35 – 13:00 **Closing words**

13:00 - 14:00 Lunch | video interviews

Detailed agenda

Day 1 – Monday, 9 September 2024

09:30 – 10:00 Participants registration

Opening ceremony

10:00 – 10:05 **Words of welcome to SYNTHIA: a new pioneering IHI public-private partnership**

- Mariola Penadés Fons, General Director of Research and Innovation, Regional Ministry for Health of the Valencian Government

Project Overview

10:05 – 10:15 **SYNTHIA: leverage synthetic data to propel personalized medicine to new heights**

- Gopal Avinash, VP, AI Smart Devices, GE HealthCare

10:15 – 10:30 **SYNTHIA mission, strategy and project overview**

- Guillermo Sanz, IISLaFe, SYNTHIA Coordinator
- Amied Shadmaan, GE Healthcare, SYNTHIA Project leader

10:30 – 11:00 **Introduction by the Innovative Health Initiative (IHI)**

- Manuel de la Guía Solaz, IHI Project Officer

11:00- 11:30 Break | video interviews

11:30 – 11:55 **SYNTHIA project management and coordination: administrative and financial aspects**

- Cristina Abad Rodríguez, IISLaFe, SYNTHIA Project Management Office
- Janna Slabbekoorn, MATICAL, SYNTHIA Project Management Office

11:55 – 12:10 **IHI Financial Guidelines**

- Gaelle Lankmans, IHI Financial Officer

SDG: Use cases, tools & methods, evaluation

12:10 – 13:10 **Parallel sessions -> Use cases focus**

Use cases oncology | Room H007

Use case 1: Lung Cancer

- Jose Gomez Codina, IISLaFe – SYNTHIA Use case Academic Lead LC
- Amied Shadmaan, GE Healthcare, SYNTHIA Use case Industry Lead LC
- PMO supporting staff: Ana Miguel, MATICAL

Use case 2: Breast Cancer

- Rodrigo Dienstmann, VHIO – SYNTHIA Use case Academic Lead BC
- Laurence Vancamberg, GE Healthcare, SYNTHIA Use case Industry Lead BC
- PMO supporting staff: Ana Miguel, MATICAL

Use cases hematology | Room H008

Use case 3: Multiple Myeloma

- Carolina Terragna, IRCCS Azienda Ospedaliero-Universitaria di Bologna – SYNTHIA Use case Academic Lead MM
- Marco DiBonaventura, Pfizer, SYNTHIA Use case Industry Lead MM
- PMO supporting staff: Ellen de Waal, MATICAL

Use case 4:

- Eric Fey, Helsinki University – SYNTHIA Use case Academic Lead DLBCL
- Michel van Speybroek, Janssen, SYNTHIA Use case Industry Lead DLBCL
- PMO supporting staff: Ellen de Waal, MATICAL

Day 1 – Monday, 9 September 2024 | continued

12:10 – 13:10 **Parallel sessions -> Use cases focus continued**

Use case 5: Alzheimer’s disease | Room H010

- Holger Fröhlich, Fraunhofer – SYNTHIA Use case Academic Lead AD
- Matt Clement, Gates Ventures, SYNTHIA Use case Industry Lead AD
- PMO supporting staff: Cristina Abad, IISLaFe

Use case 6: Type 2 Diabetes | Room H005

- Holger Hennig, Fraunhofer – SYNTHIA Use case Academic Lead T2D
- Matthias Müllenborn, NovoNordisk, SYNTHIA Use case Industry Lead T2D
- PMO supporting staff: Janna Slabbekoorn, MATICAL

Outcome of the parallel sessions will be presented summarized in the wrap up of day 1.

13:10- 14:10 Lunch break | Video interviews

SDG: Use cases, tools & methods, evaluation

14:10 - 14:35 **WP3 – Use cases requirement analysis**

- Lars Bullinger, Charité, SYNTHIA WP3 Academic Lead
- Yann Gullevic, BMS, SYNTHIA WP3 Industry Lead

14:35 – 15:00 **WP6 – SDG tools and methods**

- Davide Cirillo, BSC - SYNTHIA WP6 Academic Lead
- Amied Shadmaan ,GE Healthcare, SYNTHIA WP6 Industry Lead

15:00 – 15:25 **WP7 – SD Evaluation, quality assurance and clinical validation**

- Marilena Bicchieri and Saverio D’Amico, Humanitas, SYNTHIA WP7 Academic Lead
- Matthias Müllenborn, NovoNordisk, SYNTHIA WP7 Industry Lead

Data management: Platform and protocols

15:25 - 15:50 **WP4 – Data collection and management**

- Pedro Mallol, IISLaFe, SYNTHIA WP4 Academic Lead
- Matthias Müllenborn, NovoNordisk, SYNTHIA WP4 Industry Lead

15:50 - 16:15 **WP5 - Federated infrastructure environment and SD platform**

- Gustavo Hernández, Universidad Politécnica de Madrid, SYNTHIA WP5 Academic Lead
- Michel van Speybroeck, Janssen, SYNTHIA WP5 Industry Lead

16:15 – 16:40 **WP8 – Ethical, legal and societal issues**

- Olga Startseva & Boris Kandov, University of Vienna, SYNTHIA WP8 Academic Lead
- Matt Clement, Gates Ventures, SYNTHIA WP8 Industry Lead

Wrap up

16:40 – 17:00 **Highlights and outcomes day 1**

- Guillermo Sanz, IISLaFe, SYNTHIA Coordinator
- Amied Shadmaan, GE Healthcare, SYNTHIA Project leader

17:00 – 17:15 SYNTHIA Consortium group photo

20:00 - 22:00 **Synthia social event at Restaurant El Coso**

Salón Cielo, 3rd floor, Passeig de Neptú, 12, Poblats Marítims, Valencia

Day 2 – Tuesday, 10 September 2024

09:00 – 09:15 **Participants registration**

Real-life application of SD and SDG: Regulatory considerations, business and communication strategy

9:15 - 9:40 **WP9 – Regulatory and HTA considerations; real life application of SD**

- Dalia Dawoud, NICE, SYNTHIA WP9 Academic Lead
- Marco DiBonaventura, Pfizer, SYNTHIA WP9 Industry Lead

9:40 – 9:55 **IHI Communications Guidelines**

- Catherine Brett, IHI, External Relations Manager

9:55 – 10:10 **SYNTHIA: Engagement, communication, dissemination, training and policy**

- Ellen de Waal, MATICAL, SYNTHIA Communications
- Denis Horgan, EAPM, SYNTHIA Policy

10:10 – 10:40 Break | video interviews

10:40 – 11:10 **WP2 – Business and sustainability models**

- Christoph Maes, i-HD, SYNTHIA WP2 Lead
- Aishwarya Sukumar, Gates Ventures, SYNTHIA WP2 Industry Lead

11:10 – 12:35 **WP Parallel sessions**

12:35 – 13:00 **Closing words**

- Holger Fröhlich, Head of AI & Data Science, Fraunhofer, SYNTHIA, Co-chair
- Marco DiBonaventura, Pfizer, SYNTHIA Co-Leader

13:00 - 14:00 Lunch | video interviews

Attendees By order of acronym / organization (not included in this summary)