Advancing End-User Studies & Assistance with Innovation Technology of AI Digital Health Twins with brains using Generative AI models

in Horizon Europe Cluster Health projects
- HORIZON-HLTH-2025-01-CARE-01
- HORIZON-HLTH-2025-01-TOOL-03

Brief pitch presentation by GOLEM Integrated Microelectronics Solutions GmbH, Vienna, Austria (http://golem.at)

CLUSTER Health Horizon Europe Brokerage Event 2025, 5 - 6 May 2025

Our development inputs & outputs offer for the projects

Cutting-edge RDI methodology & technology platform for rapid prototyping of AI- and data-driven Intelligent Digital Twins (AIDT) of Complex Biophysical Cyber Systems of Systems existing in the physical and virtual worlds

Advanced systemic Generative AI models using of large-scale, complex, multimodal real & synthetic data, scientific & public information & trained open source LLMs.

Enabling AIDTs to assist end users in automatic monitoring & control of their systems sustainability, performance, resilience, cost-efficacy

Validated & demonstrated PoC prototypes based technology applications in Horizon Europe projects: SmartUrbana, BRAINE, SmartEdge, iTwinBuild, WELLBASED, DOME

Open GAI models with custom performance & sustainability metrics for predictive and personalised medicine,continuous evaluation by researchers, assessment of sustainability, performance, risks, concept testing, intelligibility, robustness, principles for ethical evaluation of AI trustworthiness.

Potential synergies with other relevant HEP & DEP projects (e.g. DOME)

Info & Contacts

Introduction & Overview of the approach and solutions:

https://monitoring.pharosnavigator.com/static/content/en/1077/Digital-Health-Twin.html

Video YouTube *(4 min)*

https://www.youtube.com/watch?v=2oeSJE9DFm8

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