EDITH: la roadmap europea sullo sviluppo dei Digital Twin in sanità

Sabato Mellone
Università di Bologna
EDITH = An Ecosystem for Digital Twins in Healthcare

EDITH is a coordination and support action funded by the Digital Europe program of the European Commission under grant agreement n° 101083771.
EDITH – a CSA in Digital Europe

• Builds a consolidated EU ecosystem around digital twins for healthcare

• Develops a roadmap for accelerating the uptake of digital twin-based solutions and their further integration towards the virtual human twin

• Performs an exhaustive analysis of industry needs and barriers

• Develop the blueprint and technical specifications for a repository of digital twin resources and simulation platform
EDITH – aims & approach

• Build a vision & roadmap leading to the integrated virtual human twin

• Identify research challenges & enabling infrastructure

• Develop convincing use cases

• Drive large-scale take-up & adoption
EDITH – ingredients

Technology
• Individual resources: data, models, algorithms
• Integration of resources
• APIs
• Infrastructure

ELSI
• Access, privacy
• Ethics, code of conduct
• Legal & policy aspects
• Regulatory considerations

Users
• Different profiles
• Access & workflows
• Interaction with other platforms & repositories

Sustainability
• Clinical uptake
• Large companies
• Start-ups
• Marketplace
• business modelling
• ERIC, EDIH
EDITH – VISION

What we want the EDITH repository be after the CSA

• The EU repository for VHT resources
• The catalogue of VHT resources within the EHDS
• A tool to find, share, develop, curate, test/validate, connect together, compare, and support the regulatory acceptance/compliance of any VHT resource
• An architecture based as much as possible on the upcoming DG CNECT middleware, EOSC resources, and EHDS services
• A tool to verify/ensure the compliance with EHDS interoperability standards/profiles
• An infrastructure integrated with the EU network of HPC resources
EDITH – the Roadmap

Coordination & support action = collaborative effort

• Prepared by consortium
• Contributed to by experts & stakeholders
• Discussed with different communities
• Endorsed by the ecosystem

Deliverable related with the roadmap are publicly available and EDITH organizes public online discussion meetings.

The deliverables can be accessed through the EDITH-CSA website and Zenodo community.

The consortium welcomes feedback on this deliverable via the form available on the EDITH-CSA website (https://www.edith-csa.eu/)
Grazie per l’Attenzione

CONTATTO: sabato.mellone@unibo.it
SITO WEB EDITH: https://www.edith-csa.eu/