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Dissemination & Exploitation for Digital Europe Programme

WEBINAR & WORKSHOP

In coordination with  **COORDINATE EF**
Boosting European AI innovation, together.

Scaling Digital Health Solutions: Connecting TEFs, EDIHs and DIGITAL for Health Innovation

Validate (TEFs) → Deploy (EDIHs) → Scale (DIGITAL)

07 July²⁶

From 11:00 CEST



Funded by
the European Union

11:00–11:05

Introduction

Jaakko Aarnio

Policy Officer,
DG CNECT,
European Commission

11:05 - 11:50

From Pilot to Scale: DIGITAL
Services You Can Use in Health
Panel Discussion

11:50 - 12:30

Interactive workshop with EU
projects
*If you represent an EU-funded
DEP project, please join!*



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Dissemination & Exploitation for Digital Europe Programme
WEBINAR

Scaling Digital Health Solutions: Connecting TEFs, EDIHs and DIGITAL for Health Innovation

07 July²⁶ 11:00 (CEST)

Speakers

 Petra Ritter TEF-Health Berlin Institute of Health	 Tiago Carvalho Project Manager & CRA Instituto Pedro Nunes
 Priscila Maranhão Innovation Project Manager Health Cluster Portugal	 Sebastiaan Meijer Professor & Chair of Digital Health TWG KTH Royal Institute of Technology

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Boosting European AI innovation, together.

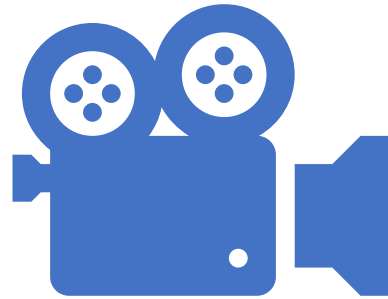
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Scaling Digital Health Solutions: Connecting TEFs, EDIHs and DIGITAL for Health Innovation

Projects joining the workshop



Housekeeping rules



The session is recorded.
Recording will soon be available
online



Live Q&A session: Type
your question(s) in the
Q&A chatbox

Scaling Digital Health Solutions: Connecting TEFs, EDIHs and DIGITAL for Health Innovation

07 July²⁶ 11:00 (CEST)

[REGISTER NOW](#)

Validate with TEFs. Deploy with EDIHs.
Scale with Digital Europe.



Jaakko Aarnio

Policy officer, DG Connect,
European Commission

Scaling Digital Health Solutions: Connecting TEFs, EDIHs and DIGITAL for Health Innovation

07 July²⁶ 11:00 (CEST)

Speakers



**Petra
Ritter**

TEF-Health
Berlin Institute of Health



**Tiago
Carvalho**

Project Manager & CRA
Instituto Pedro Nunes



**Ignacio
Blanquer Espert**

EUCAIM Project
Universitat Politècnica de València



**Priscila
Maranhão**

Innovation
Project Manager
Health Cluster Portugal



**Sebastiaan
Meijer**

Professor & Chair
of Digital Health TWG
KTH Royal Institute of Technology

Scaling Digital Health Solutions: Connecting TEFs, EDIHs and DIGITAL for Health Innovation

If you are from an EU-funded project then please stay on, even if you're not listed below.

If not, then see you for our next webinar on Smart Cities in September

Projects joining the workshop





Co-funded by
the European Union

Testing and Experimentation Facility for Health AI and Robotics (TEF-Health)

■ Prof. Dr. Petra Ritter

■ 07.07.2026

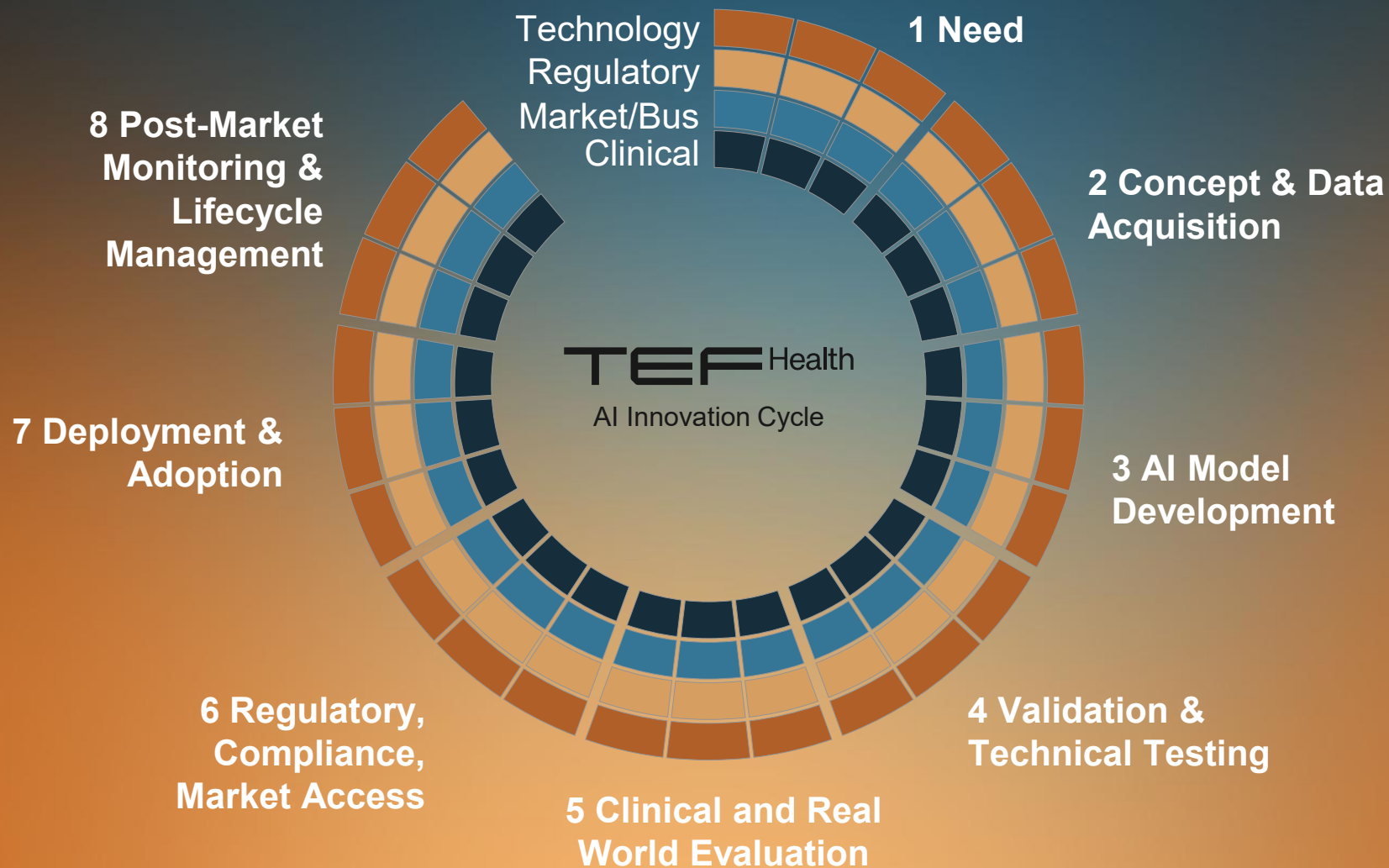


TEF Health



European Interface for Health AI Lifecycle Maturity

Testing and Experimentation Facility
for Health AI and Robotics



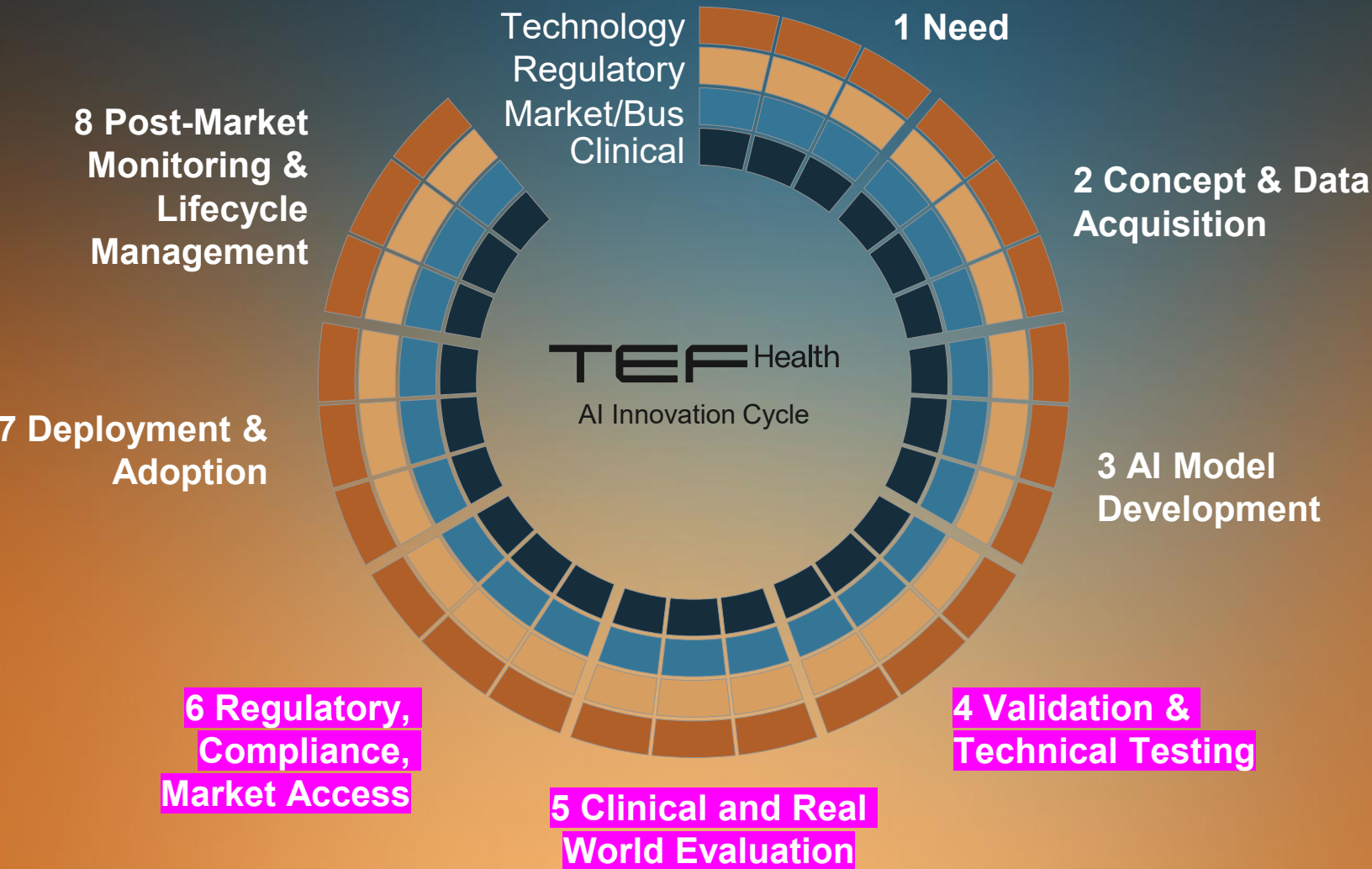


TEF Health



European Interface for Health AI Lifecycle Maturity

Testing and Experimentation Facility
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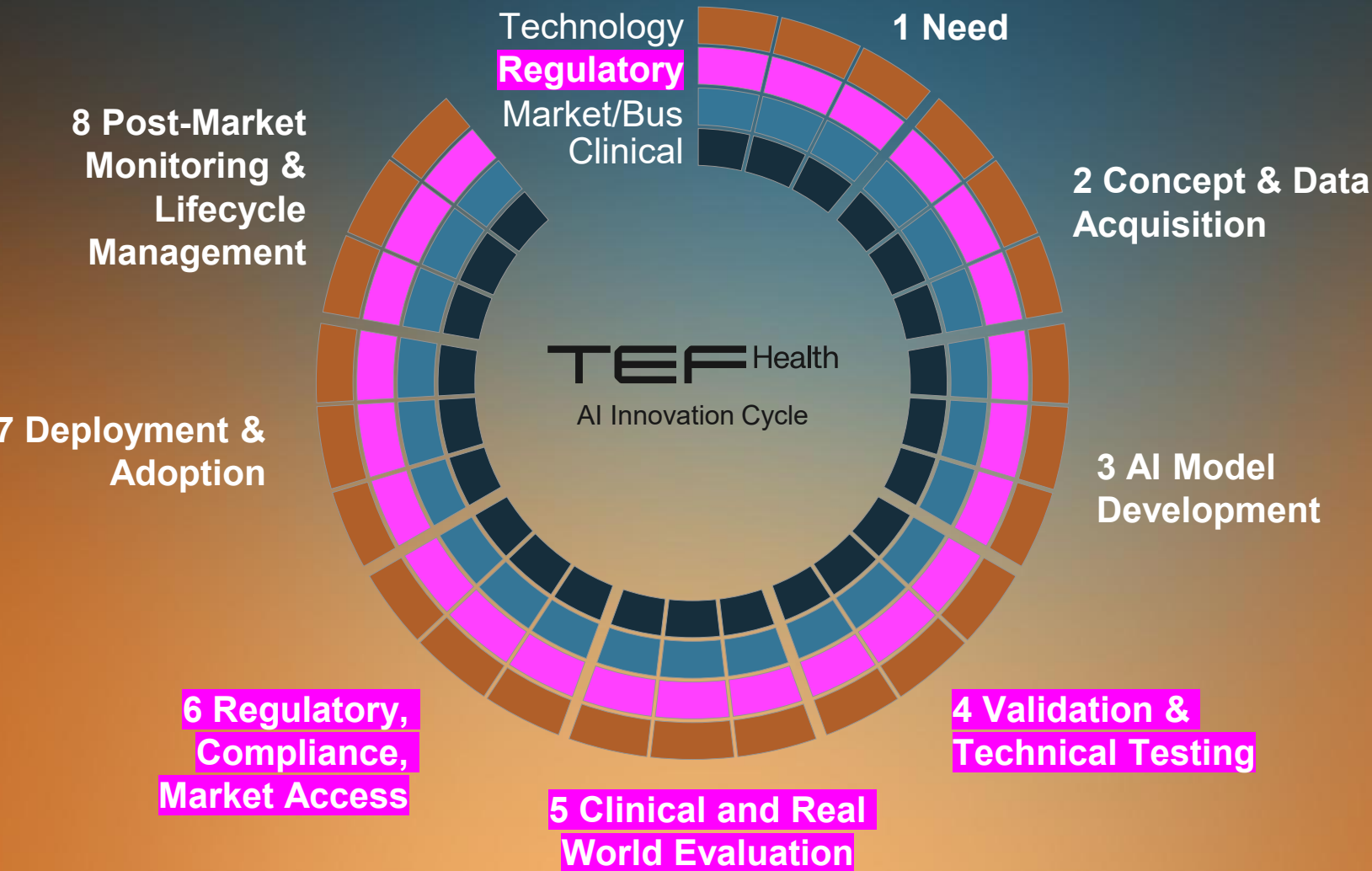


TEF Health



European Interface for Health AI Lifecycle Maturity

Testing and Experimentation Facility
for Health AI and Robotics





Testing and Experimentation Facility for Health AI and Robotics

- €60 Mill for 5 years
- To continue past 2027

TEF Health



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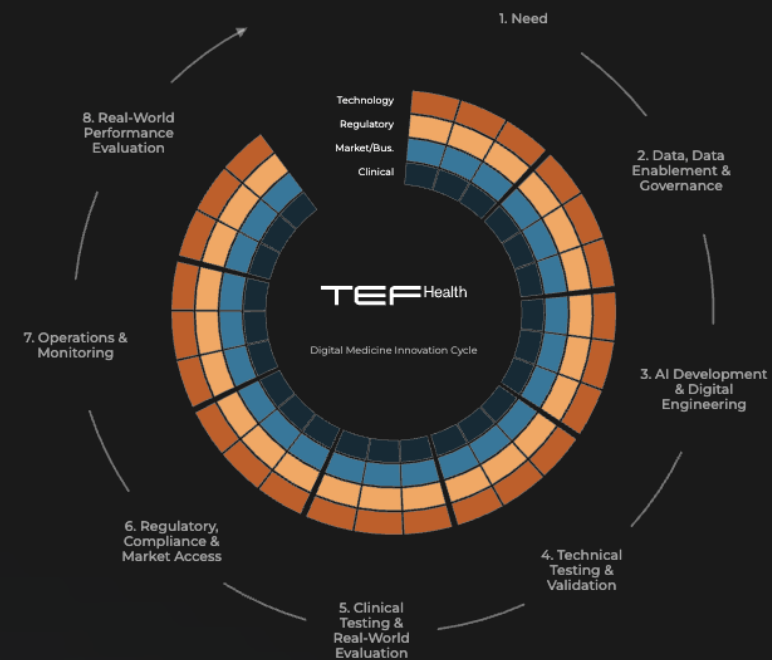
Bring trustworthy healthcare AI to Europe.

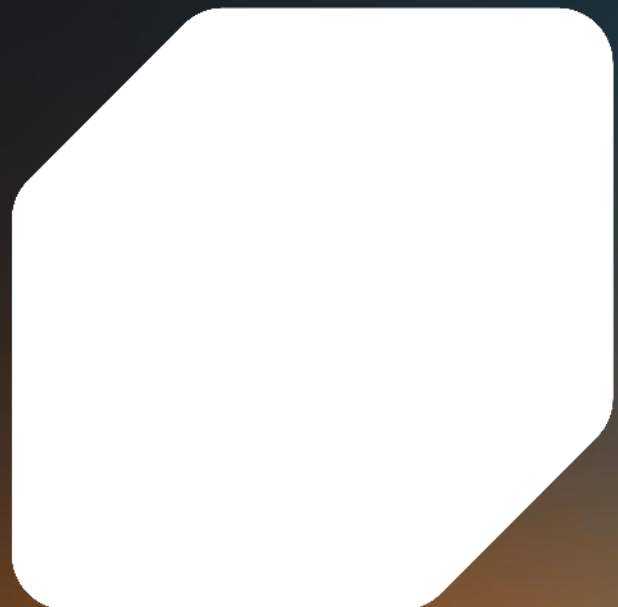
Testing, compliance, validation, infrastructure,
and regulatory guidance in one intelligent
ecosystem.

[Start Your Journey](#)

[Explore Ecosystem](#)

[Get in touch](#)





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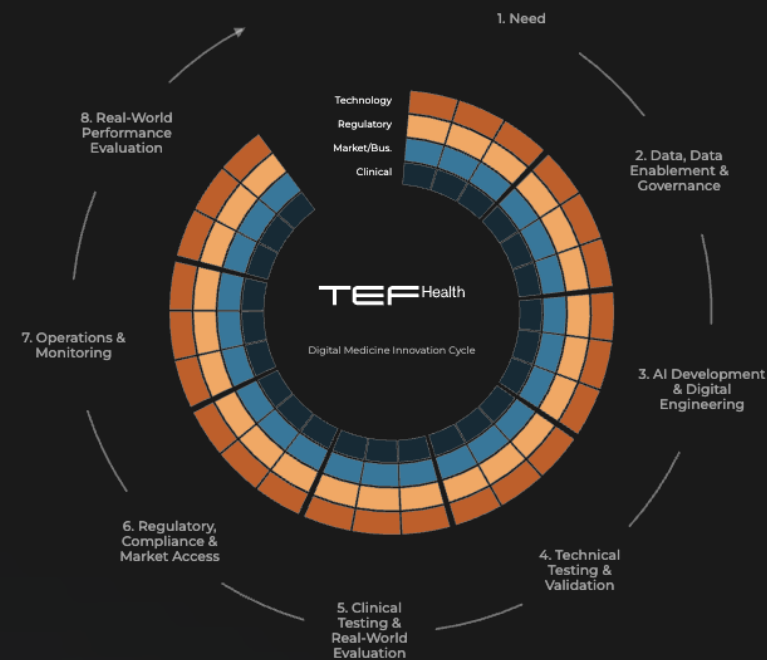
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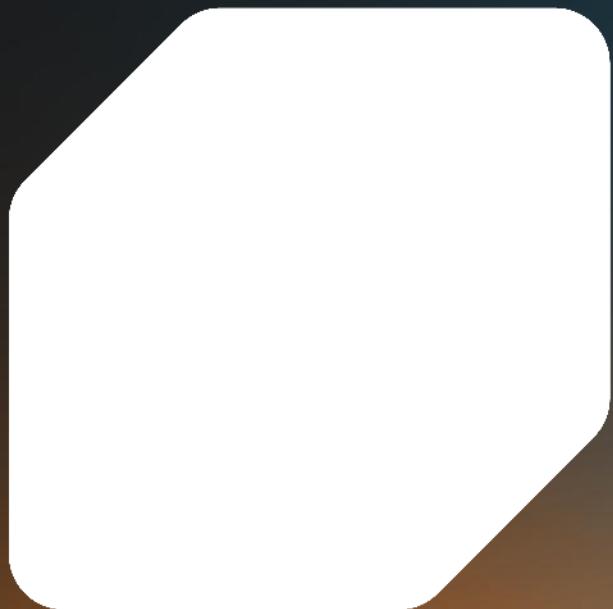
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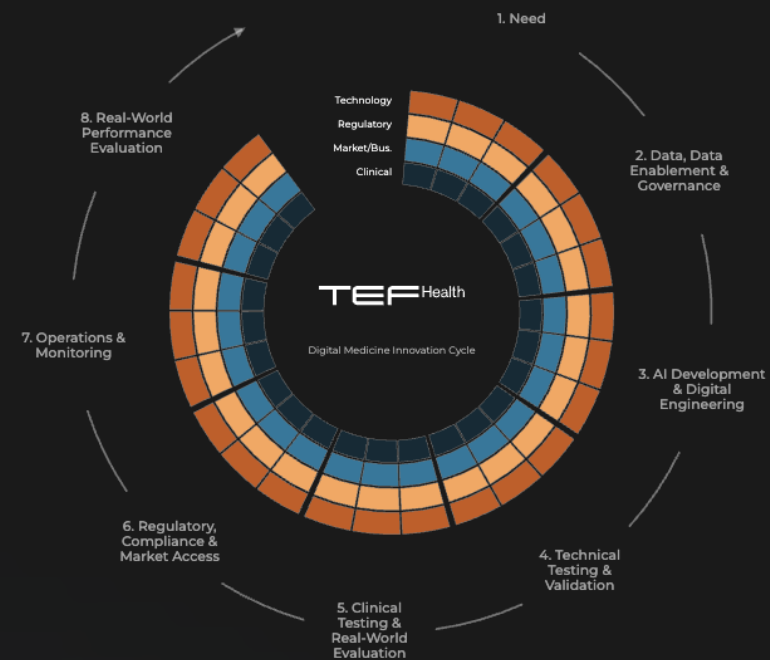
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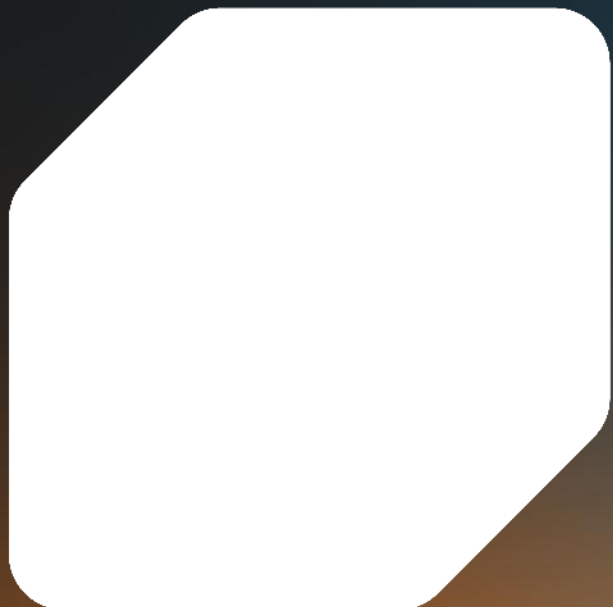
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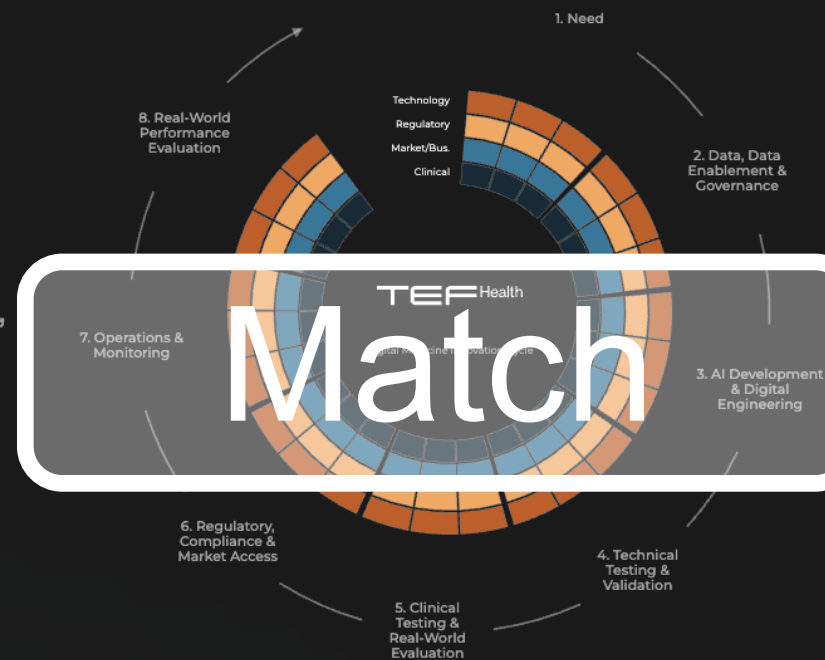
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TEF-Health 360+ Testing & Validation Services



AI BASED CLASSIFIER



sonovum

Unsere Partner

 **Fraunhofer** IIS

 **CHARITÉ**

 **TUM**

 **TECHNISCHE UNIVERSITÄT DRESDEN**

 **Sonomed**

 **CCL**

The European Cancer Imaging Infrastructure cancerimage.eu

Ignacio Blanquer
Technical Coordinator
07/07/2026

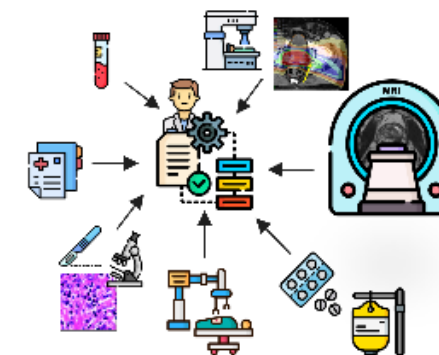
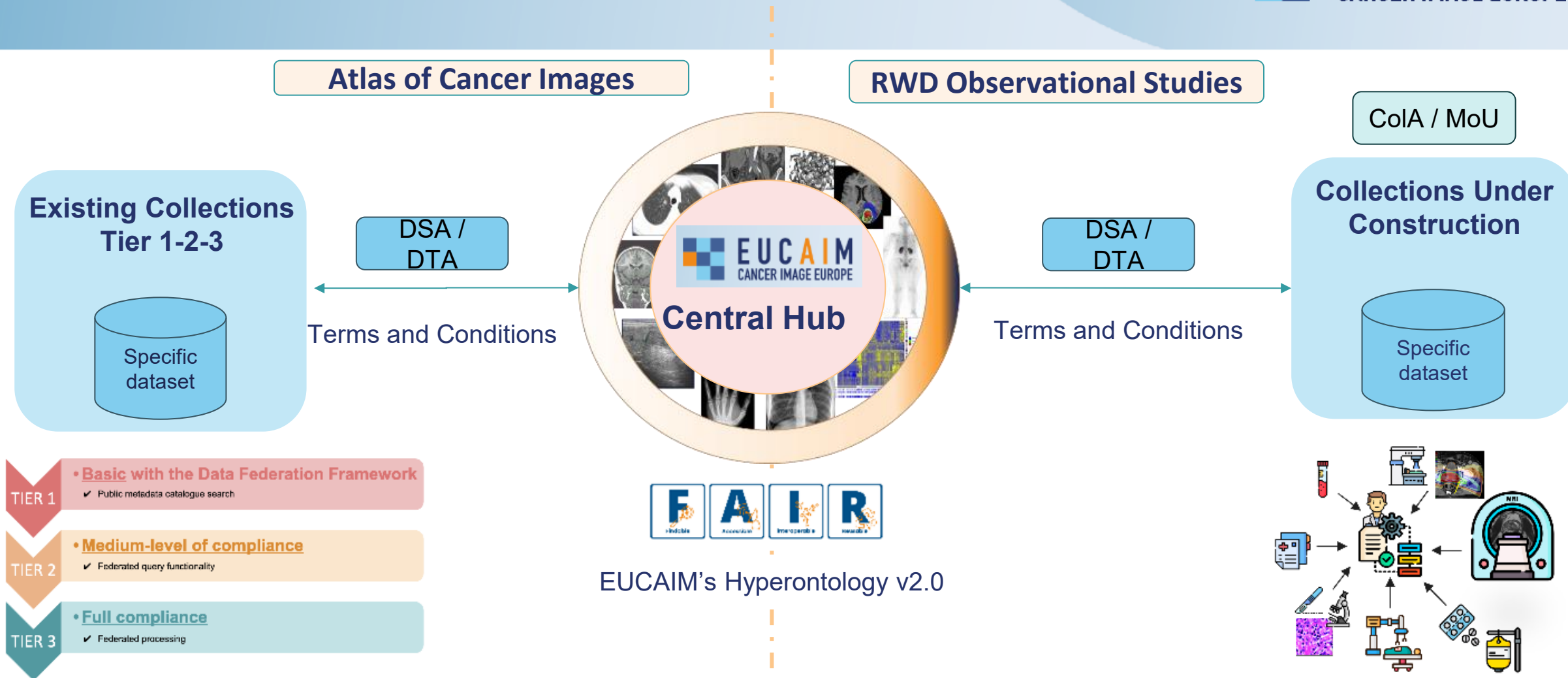


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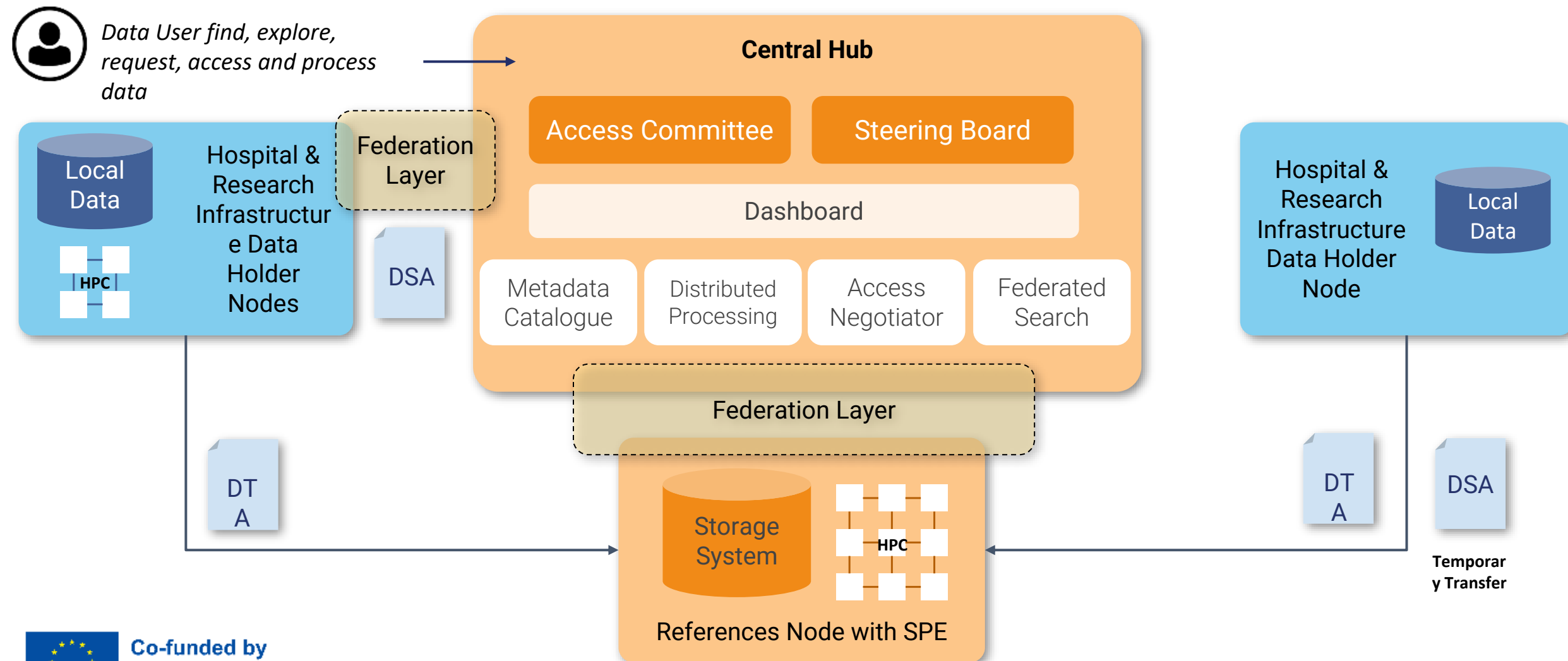


EUCAIM
CANCER IMAGE EUROPE

EUCAIM Data Population



EUCAIM Architecture

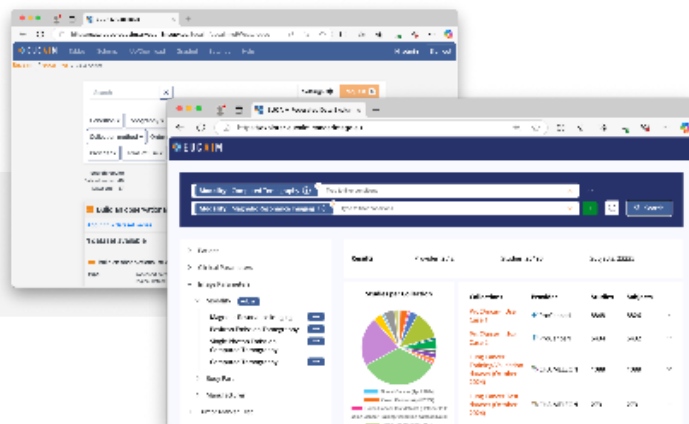


Data Users' Journey



Data User

Data discovery
(catalogue & explorer)



Permit application
(negotiator)



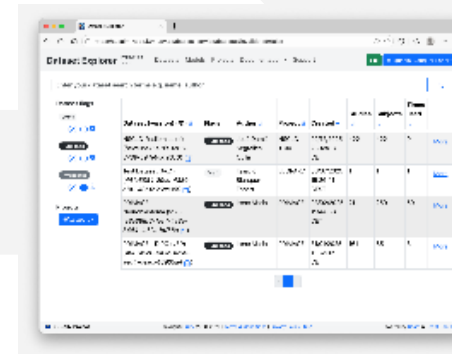
EUCAIM Access Committee

Data Preparation
(Data Minimisation, access permissions)



Researcher

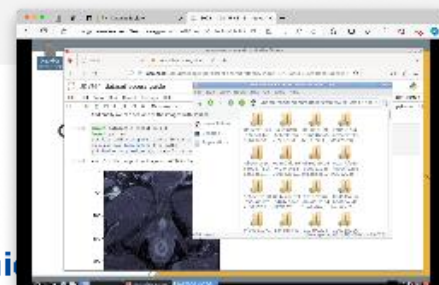
Data provision



Data use
(@Reference nodes SPEs or Fed processing)



Resource Outputs
(@SPEs or Fed processing)

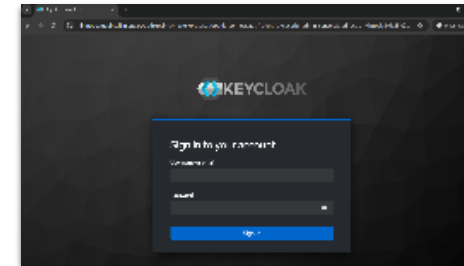


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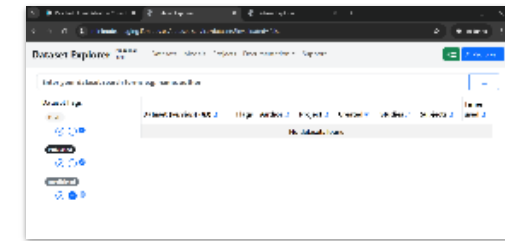
Secure Processing Environment



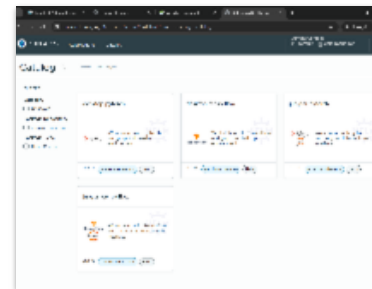
- A SW release using Open Source components (u.i3m.upv.es/zm2if)
- Supporting a SPEaaS for external infrastructures (<https://aiboost-project.eu/ai-challenge-competition/>)
- Relevant for setting up either permanent or temporary federated nodes.



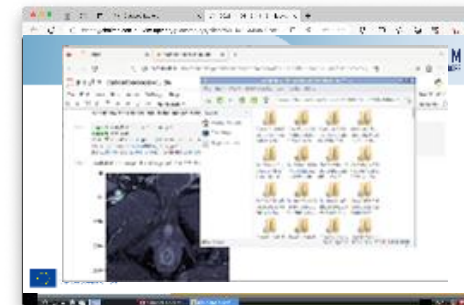
Authentication and Authorisation platform



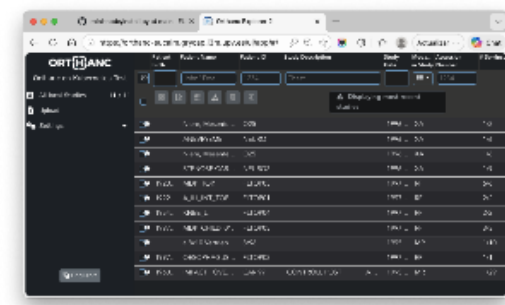
Dataset Catalogue



Interactive Applications catalogue



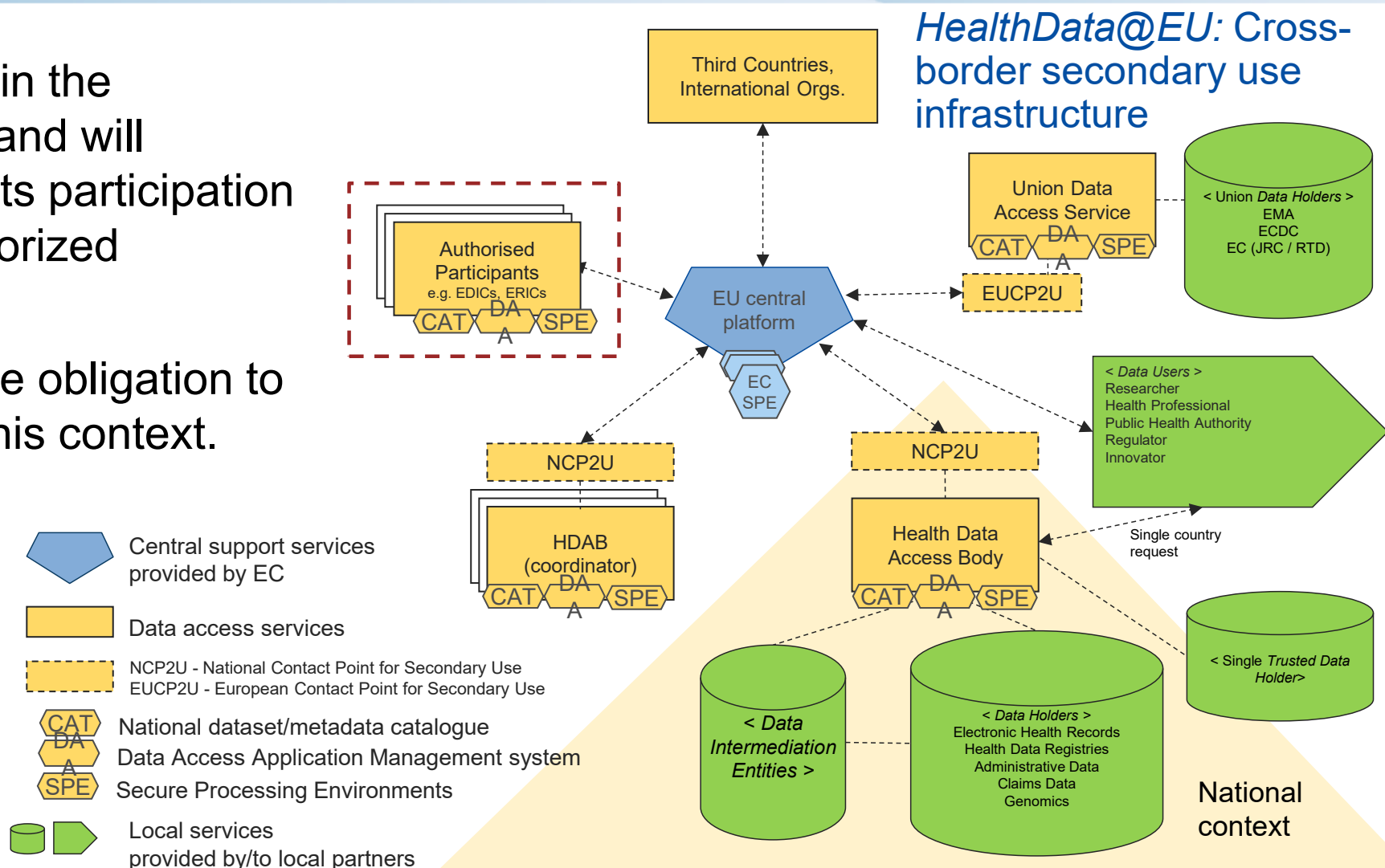
Secure VRE



DICOM PACS

EUCAIM's Position in EHDS

- EUCAIM is progressing in the constitution of an EDIC and will consider the request of its participation in the EHDS as an Authorized Participant.
- EUCAIM will also has the obligation to act as a data holder in this context.
- EUCAIM will also pursue the certification of their resources as a Secure Processing Environment.



- Joint Challenge TEF-HEALTH and EUCAIM to be organized by September.
- EUCAIM providing data, tools and services and TEF-HEALTH offering additional resources and experience especially on validation and regulation.

Joint Challenge: AI Development and Validation in Cancer Imaging

A Collaboration between EUCAIM and TEF-Health

The EUCAIM and **TEF-Health (TEF-H)** projects have partnered to organize a joint challenge focused on the development, benchmarking, enhancement, and certification of **Artificial Intelligence (AI)** software for cancer-related medical imaging. This initiative is specifically designed for **Small and Medium-sized Enterprises (SMEs)** and aims to leverage the combined data, software, and services provided by both the EUCAIM and TEF-Health infrastructures.

Background and Sponsorship

The **EUCAIM project** was established to address the critical need for advanced cancer diagnostics and treatment by unifying medical imaging data that is currently fragmented across Europe and globally.

To achieve this, the project integrates five previously funded projects from the **Artificial Intelligence for Health Imaging (AI4HI)** cluster. By pooling resources, expertise, and real-world research achievements, EUCAIM provides a unified research infrastructure. Our mission is to build a pan-European, federated digital infrastructure for cancer images to support **Precision Medicine**. This platform enables the creation of AI tools that enhance diagnostic procedures, treatment planning, and the identification of predictive medicine needs for patients across Europe.

Additionally, EUCAIM is establishing the legal framework for this federated repository by adapting to the diverse data management regulations of various European countries.

Objectives of the Call

This call provides healthcare innovators with access to the data, software, and resources necessary to develop and validate AI solutions for cancer imaging. By combining the strengths of EUCAIM and TEF-Health, we aim to bridge the gap between initial innovation and market deployment within a safe, sustainable, and ethically supervised testing environment.

Eligibility Criteria

This call is open to SMEs that satisfy the following requirements:

- **Legal Status and Location:** The SME must be legally incorporated and established within an EU or EEA member state.
- **Ownership:** Ownership or shares must not be held by individuals or entities outside the EU/EEA.
- **SME Definition:** The company must meet the EU definition of an SME according to **Commission Recommendation 2003/361/EC**.



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Hospital Innovation Challenge

Bridging Clinical Needs with startup Innovation

- Priscila Maranhão

- 07.07.2026

Context & Rationale



The challenge

- Hospitals face concrete operational and clinical needs
- SMEs develop innovative AI and digital health solutions
- Connecting both sides in a structured and actionable way remains difficult



Opportunity identified

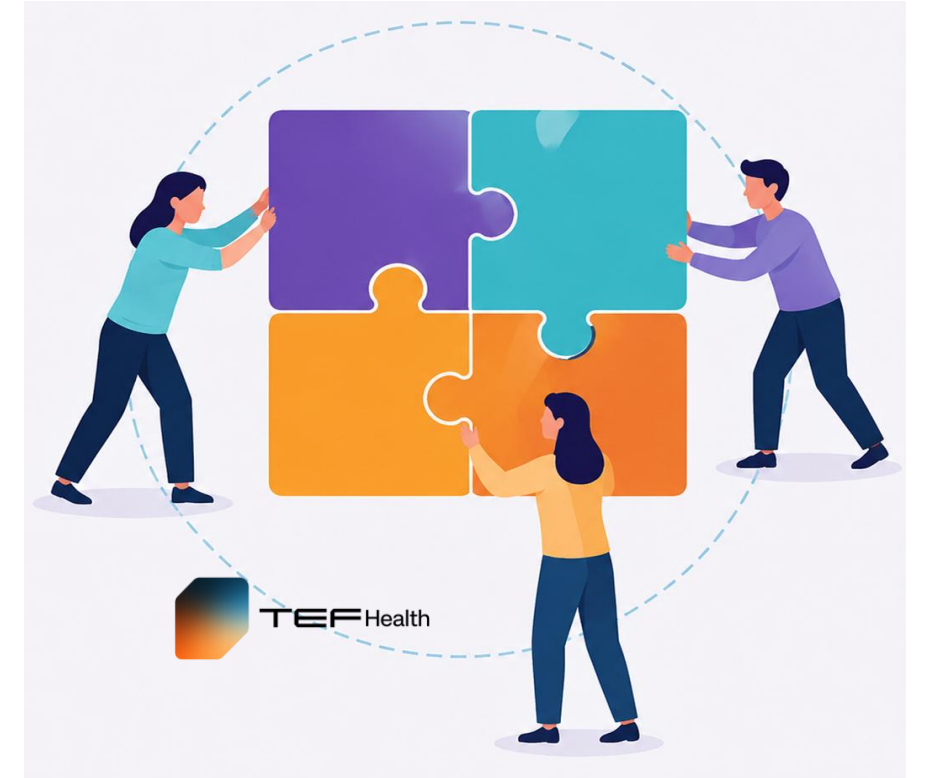
Combining:

- TEF-Health hospital network and validation perspective
- DigiHealthPT SME ecosystem and support services



Key objective

Create a practical pathway from identified healthcare needs to innovation support and potential validation opportunities



How does this initiative work?



1st Edition – October 2025

What we achieved



2nd Edition – October 2026

New workflow



External Jury (Confirmed)



Isabel Neves, Board Member, **Investors Portugal**



Pedro Gouveia, **Fundação Champalimaud**



Catia Sousa Pinto, Head of Global Digital Health and International Affairs at SPMS, EPE

2nd Edition – October 2026

The preliminary numbers

UNIDADE LOCAL DE SAÚDE
COIMBRAUNIVERSITY
HOSPITAL MARTINUNIDADE LOCAL DE SAÚDE
MÉDIO AVEUNIDADE LOCAL DE SAÚDE
ALTO AVEUNIDADE LOCAL DE SAÚDE
BAIXO MONDEGOUNIDADE LOCAL DE SAÚDE
SÃO JOSÉUNIDADE LOCAL DE SAÚDE
SANTA MARIA

2nd Edition – October 2026

More information



The screenshot shows the top section of a website for the 'Hospital Innovation Challenge 2nd Edition'. The header is a solid blue bar. On the left is the 'Health Portugal' logo, consisting of a 3x3 grid of dots. To its right are navigation links: 'Overview', 'Agenda', 'Partners/Sponsors', 'Venue', 'Previous editions', and 'Registration'. Below these links is a vertical menu with the following items: 'Speakers', 'Sessions IHTC'26', 'Initiatives for Startups', 'Innovation Tours', and 'Networking'. The main banner area has a dark blue background on the left and a green background with abstract, glowing, curved lines on the right. The title 'Hospital Innovation Challenge 2nd Edition: Bridging Clinical Needs with Startup Innovation' is centered in white text. Below the title is a tagline: 'Where unmet clinical needs meet breakthrough solutions - connecting hospitals and startups to accelerate real-world healthcare innovation.'

Health Portugal

Overview | Agenda | Partners/Sponsors | Venue | Previous editions | Registration

Speakers
Sessions IHTC'26
Initiatives for Startups
Innovation Tours
Networking

Hospital Innovation Challenge 2nd Edition: Bridging Clinical Needs with Startup Innovation

Where unmet clinical needs meet breakthrough solutions - connecting hospitals and startups to accelerate real-world healthcare innovation.

www.ihtconference.com

- Carlos Sousa – CEO Opvance

“The Hospital Innovation Challenge gave us something no other programme had offered before: the opportunity to engage with leading European hospitals, present our solution to a high-level jury, and compete on equal terms with innovative companies from across Europe.”



- Priscila Maranhão

- pmaranhao@healthportugal.com

- 07.07.2026

TEFHealth

www.tefhealth.eu



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IPN healthproof

DEVELOP. VALIDATE. COMPLY.

Part of Instituto Pedro Nunes (IPN)

A trusted innovation and technology transfer institute

Founded in 1991 by the University of Coimbra

A network of 46 associates across academia, R&D, public institutions, and industry

Why IPN HealthProof

Because innovation fails
without validation



Single point of contact
from concept
to regulatory approval



Integrated expertise across
technical, clinical
and regulatory domains



Real-world testing
environments aligned with
regulatory requirements

We support start-ups and SMEs across the full digital health solution's lifecycle

From Proof to Concept
to Regulatory Approval

01

Design and Development

02

Pre-clinical and Clinical Testing

03

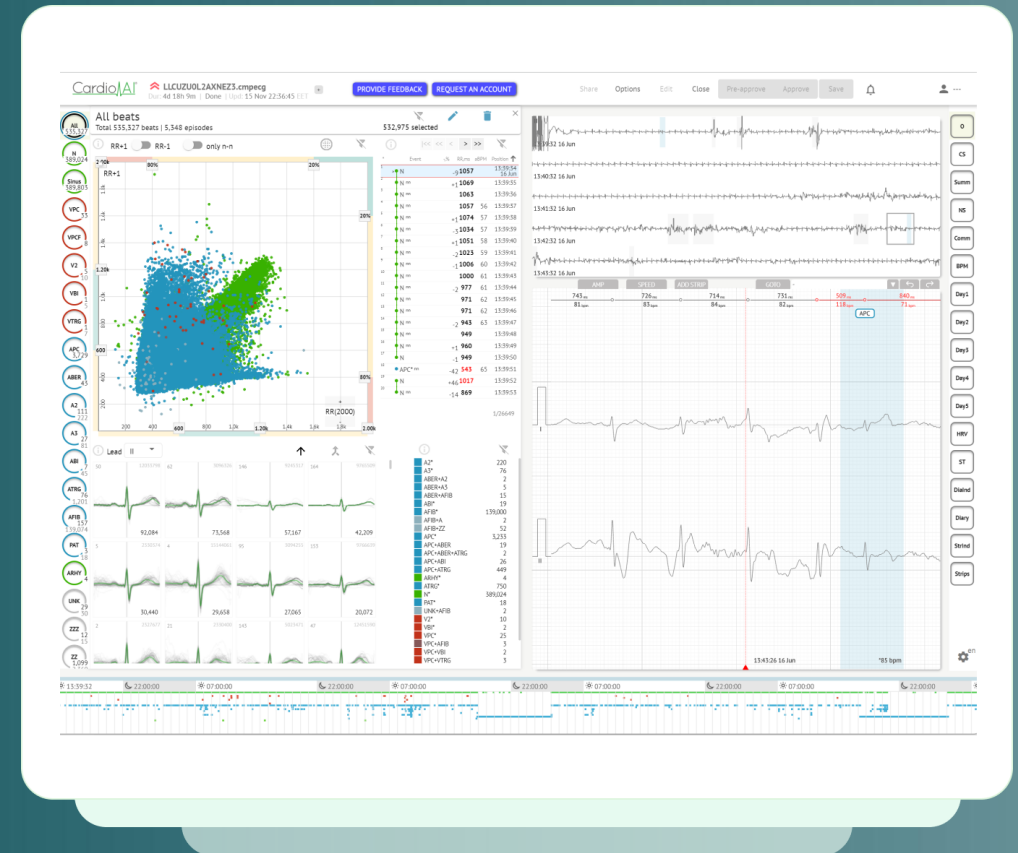
Medical Devices Regulatory Support



Cardio.AI by XOReasearch

A cloud-based analytical platform for high-level cardiac analysis and reporting for ECG technicians and cardiologists

- Standalone Medical Device Software (MDSW)
- Solution with a high level of technical and clinical maturity
- Already deployed in real clinical environments and used in clinical validation activities with multiple international partners



Service Provision



The Challenge

- Advanced-stage AI ECG solution, but MDR & ISO 13485 gaps remained before market introduction
- Notified body observations required a structured, well-documented response
- Nonconformities identified during quality management system (QMS) audits needed resolution
- Navigating the transition from advanced development to a market-ready solution



IPN's Solution, via TEF-Health

- Reviewed and updated technical documentation for regulatory submission
- Supported resolution of audit findings and QMS nonconformities
- Provided guidance on MDR compliance and ISO 13485 alignment
- Strategic support for regulatory planning and EU market-entry preparation

Result

- Class IIa Medical Device with CE marking under MDR (EU 2017/745)
- Quality Management System certified under ISO 13485:2016

If you want to know more:



[Home](#) » [Success Stories](#) » CardioAI: Building Regulatory ...

TEF-Health helped bridge the gap between technological advancement and regulatory readiness — giving CardioAI™ specialised expertise and tailored services to mature trustworthy AI for clinical use.



Contacts



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www.ipn.pt



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Thank you for participating!

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