

IHI Call Days | Call 12

Advancing Trustworthy AI in Healthcare

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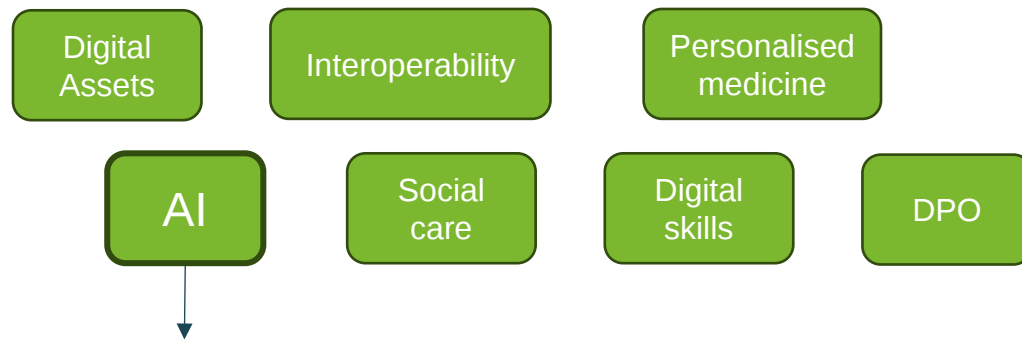


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Introduction to FTSS

TIC Salut Social Foundation (FTSS), as an entity within the Catalan Ministry of Health, aims to facilitate the transformation of health and social assistance models through the use of ICT.



FTSS-AI: AI Department of FTSS, under the Catalan Ministry of Health.

- Coordination of the **Health/AI Program** promoted by the Catalan Ministry of Health
- Development of guidelines and frameworks for **Trustworthy and Explainable AI**, ensuring ethical alignment.
- **AI Observatory** identifying and monitoring AI innovations in healthcare.
- Definition of **technical, clinical and ethical criteria** for AI solutions.

Mission: Enable ethical, legal, and robust AI integration across healthcare.

Invitation: Seeking partners to co-create, evaluate, and deploy trustworthy AI solutions across Europe.

Public entity
under the Catalan Ministries of
Health and Social Rights



Headquarters in Barcelona

Challenges

Healthcare systems are increasingly adopting AI solutions, yet their deployment remains a challenge. The **absence of unified frameworks for assessing fairness, safety, and regulatory compliance** prevents reliable integration of AI into clinical practice and limits the confidence of both professionals and patients.

IHI JU's specific objectives:

SO2: *integrate fragmented health research and innovation* **by focusing on real unmet public health needs**

SO3: *demonstrate the feasibility of people-centred, integrated health care solutions*

by integrating both social care and health care information systems

SO4: *exploit the full potential of digitalisation and data exchange in healthcare*

by enabling safe, transparent, and interoperable AI integration

SO5: *enable the development of new and improved evaluation methodologies and models for assessing innovative healthcare solutions*

by designing and validating trustworthy AI evaluation frameworks

Unmet public health needs:

The need for **reliable and equitable AI-driven solutions** for health and social care systems.

The need for **evidence-based frameworks** to ensure AI technologies improve care quality, safety, and patient trust.

The need for improved **AI literacy among professionals**.



FTSS's approach: **OBJECTIVES**

**Multi-dimensional
evaluation framework**
(technical, ethical & clinical)

Practical methodologies
(regulatory & ethical compliance)

AI literacy & collaboration
(clinicians, patients, innovators)

Integration of digital care
(health & social care
systems)

Is your project suitable for IHI?

PUBLIC-PRIVATE COLLABORATION: Operationalising trustworthy AI demands co-design between **public healthcare providers**, **patient groups**, and **manufacturers** to align **clinical reality** with the AI Act/MDR and to **validate across diverse products and workflows**.

- **Health ICT / Cloud / Cybersecurity:** interoperable data platforms, privacy-preserving/federated learning.
- **Medical Devices & Medical Imaging:** device/PACS integration, DICOM workflows, performance/safety evidence, post-market monitoring.
- **Biotech:** R&D and RWE datasets, safety/risk management processes, translational use cases, regulatory evidence generation.
- **AI/SME tool providers:** XAI, bias/fairness auditing, robustness testing, documentation and reporting automation



Outcomes

- **Operational tools** for **trustworthy AI** evaluation and deployment.
- **Frameworks** adaptable across European **health and social-care** ecosystems.
- Increased **AI literacy** and readiness among professionals

- Strengthens the EU's capacity for **people-centred, data-driven care integration**
- Enhances **patient trust, safety, and transparency**.

Impact

Expertise and resources

We have:

- Expertise in **Trustworthy AI and XAI**: design of ethical, fair, and transparent frameworks and guidelines, following the **AI Act and MDR**.
- **Systemic view** of Catalonia's **public health and social ecosystem**, covering the full AI lifecycle.
- Proven ability to **lead validation pilots** and implement evaluation protocols in real settings.
- Extensive experience in **communication and dissemination** tasks of EU projects.

We are looking for:

- **Tech developers** to co-create and test trustworthy AI tools.
- **Regulatory and legal partners** for compliance alignment.
- **Clinical and social-care pilots** in other countries to validate frameworks in real-world contexts

Additional information

- Reference documents:
 - [Health/AI Programme](#) that aims to promote and develop people-centred AI in Catalonia.
 - [Guide to explainability in Artificial Intelligence](#)
 - [FUTURE-AI paper](#): Guiding Principles and Consensus Recommendations for Trustworthy Artificial Intelligence in Medical Imaging
- EU projects of interest:
 - [INCISIVE](#)
 - [COMFORTage](#)
 - [SEARCH](#)

Thank you

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