

Activity Report

20
23

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Electronic edition: June 2024.

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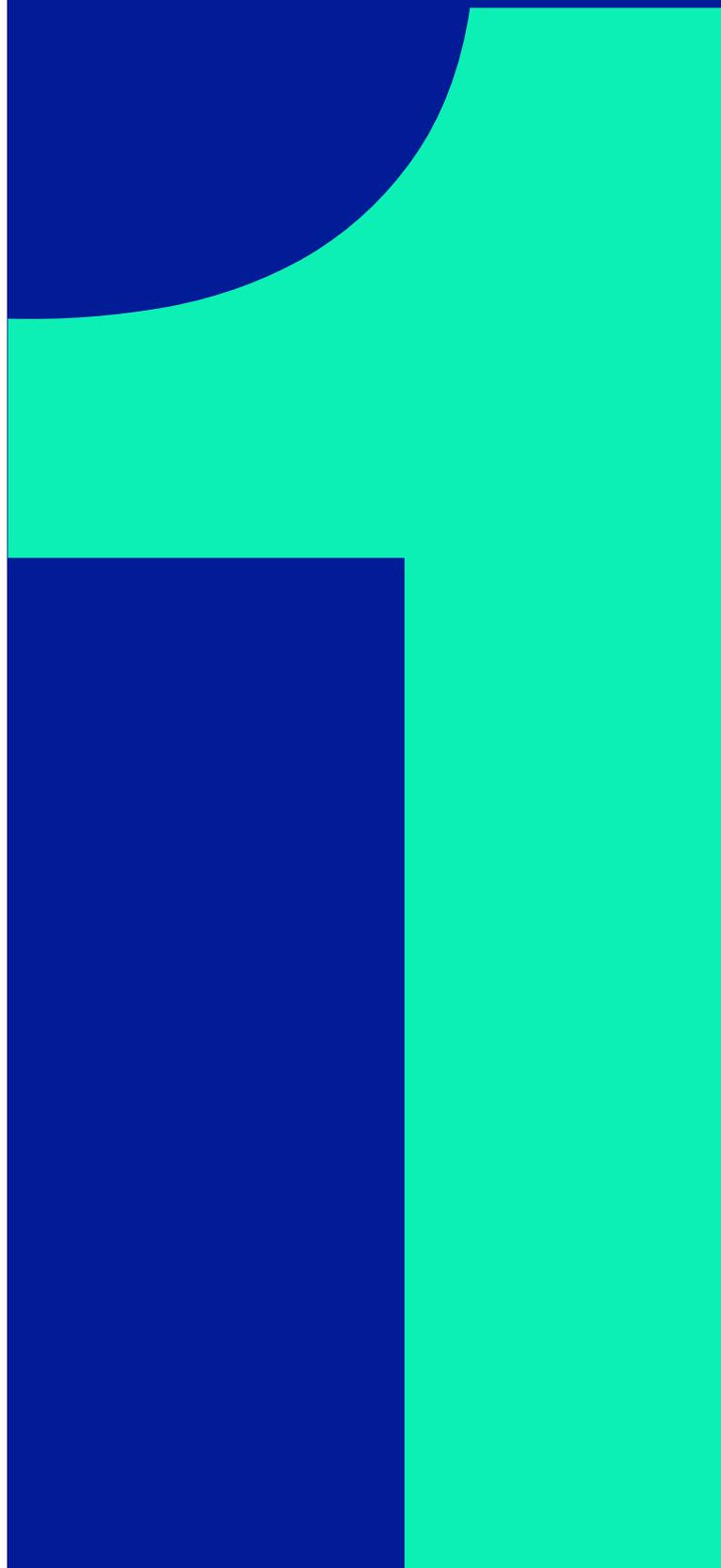
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About the Foundation TIC Salut Social



The TIC Salut Social Foundation is a public organisation that has been working towards promoting digital transformation projects in the health and social welfare fields within Catalonia since 2006.

The Foundation's mission is to promote the efficiency and sustainability of health and social services through innovative technology, while guaranteeing equity, innovation, collaboration, transparency and knowledge transfer.

The Foundation has the task **of promoting or coordinating** multiple projects of the **health system and the Department of Social Rights**, focusing mainly on the following work areas: social (including integrated social and health care), artificial intelligence, digital assets, personalised care, digital skills, medical imaging and interoperability.

The **Foundation's Board of Trustees** is made up of senior representatives of the departments of Health, Social Rights, Business and Work, and of the Presidency of the Autonomous Government of Catalonia. It also includes representatives of the Catalan Health Service, the Catalan Institute of Health, the Health and Social Consortium of Catalonia, La Unió (Association of Health and Social Entities), the Catalan Association of Health Entities, the Catalan Association of Assistance Resources, the Third Sector Board and Mataró City Council.

Having all these agents on the Board of Trustees positions the Foundation as a **key agent** which responds to their needs for digital transformation projects, and which acts as a link between these agents and the external agents of the health and social ecosystem.

Along with the connections with the Board of Trustees, the Foundation has forged contacts and alliances with universities, associations and public health and technology organisations, mainly within **Catalonia and Spain**. On an international scale, it takes part in first-rate competitive projects and has generated an extensive work network made up of entities from different member states of the **European Union and international initiatives**, such as the Healthcare Information and Management Systems Society (HIMSS), the European Connected Health Alliance Group (ECHAlliance Group) and the European eHealth Stakeholder Platform (EHTEL).

Finally, the Foundation hosts **the Data Protection Delegate Health Office**, which ensures compliance with data protection regulations and to ensure that interested parties are informed of their rights and obligations, in accordance with the provisions of the General Data Protection Regulation.

Main Milestones of the Year



[Publication of the basis of the open market consultation concerning AI solutions for diabetic retinopathy in primary care, of the Health/AI Programme \[artificial intelligence\]](#)

January



[Vic hosts the 12th Social Health RDI ICT Days to discuss care, integrated care and the paradigm shift in organisational culture](#)

February



[The Department of Social Rights grants more than 13 million euros to technological projects in the service of care, with the advice and technical support of the Foundation in the technological assessment of the projects](#)

[Resolution on the creation of the Health/AI Programme for the promotion and development of artificial intelligence in the health system](#)

March



[Catalonia launches the project Health data to share - Blue Button, which allows citizens to have a summary of their medical history information](#)

[First successful case of transporting biological samples with a drone with the Olot pilot test](#)

May



April

[Work sessions on the present and future of Health apps](#)

["Digital transformation in the Health System of Catalonia" session to promote synergies with the industrial and technological network in strategic projects financed by the Next Generation Europe funds](#)

June



[First foundation and work meeting of the Health/AI Programme Management Committee](#)

[Publication of the basics of the market consultation for the development of AI-based solutions to provide medical information to the public](#)

July



[New push towards the integration of social and health care in Aran: Agreement to incorporate artificial intelligence applied to the Aran Integrated Social and Health Home Care Programme](#)

[Publication of an international report with recommendations for interoperability standards for clinical data management and medical imaging projects](#)

September

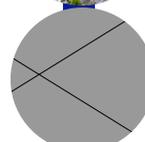


August

[Presentation of the Catalan model on digital skills for health professionals in Brussels](#)

[Successful first co-creation workshop of the UNICAS project, focused on rare paediatric diseases](#)

November



October

[New training on impact assessment given by the Health Data Protection Delegate](#)

[The Board of Trustees of the TIC Salut Social Foundation incorporates new members from the social field](#)

December

Areas and Projects in progress



3.1 Social area

The Social Area works closely with the **Department of Social Rights of the Generalitat of Catalonia** to promote the transformation of care models in the field of social welfare, and promotes technology as a transformation instrument.

The team supports the **creation and fostering** of new social information systems, the expansion of the definition of controlled vocabularies for the social field, and the assessment of project proposals in the technological and social fields. It also plays a key role in kick-starting the upcoming **Integrated Social and Health Care Agency**.

On 31 October 2023, the government agreed to modify the Statutes of the Social Health TIC Foundation in the sense of intensifying the integration of the Department of Social Rights in the Foundation and accommodating its **international projection**.

As a result, at the end of the year members of the Department of Social Rights and other social organisations were effectively incorporated into the Board of Trustees of the TIC Salut Social Foundation.



**We bolster
technology
as an instrument
of SOCIAL
transformation**

Main Projects and Milestones of the Area in 2023

Technical office of the Next Generation projects of the Department of Social Rights: Technical control to execute the over 80 technological projects subsidised to third parties with the European Next Generation funds of the Department of Social Rights.

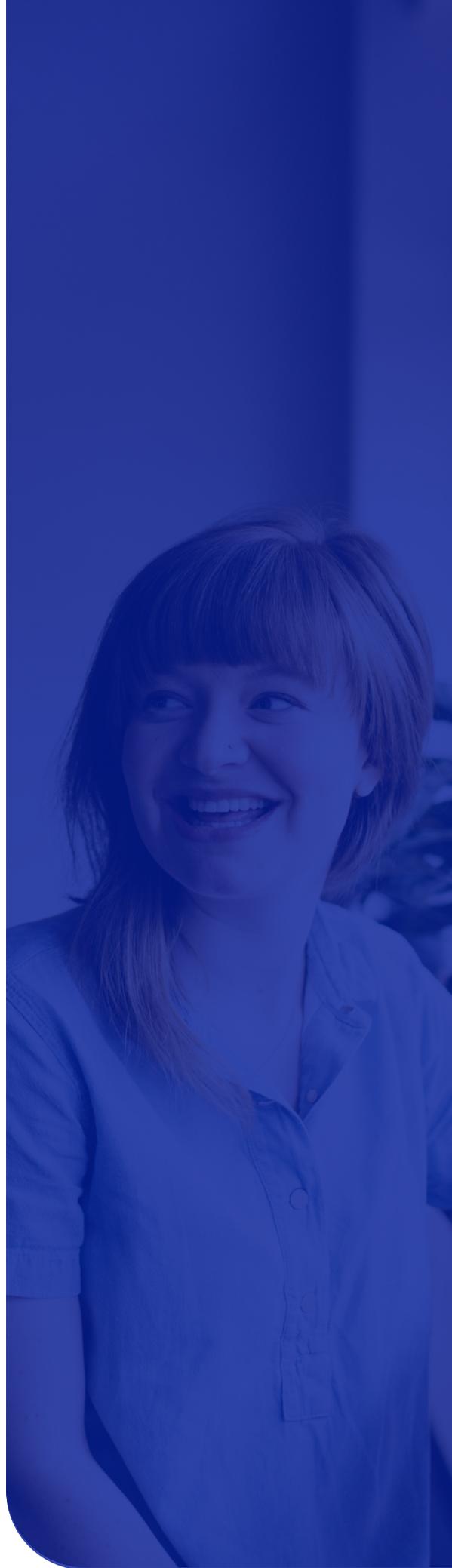


Integrated Social and Health Care Agency: Supporting the Integrated Social and Health Care Agency regarding the fields of technologies and information systems: The organisation to-be wants to guarantee a quality and equitable response for people in need of care, such as the elderly, people with disabilities, and people undergoing social issues related to mental health, among other groups.

Projects of integrated social and health care (AISS) within the territory: Participation in the various management committees of the AISS strategic projects that are being developed in the territory, and detection of the ICT initiatives and services that are also being developed in order to build synergies.

InterSocial: Leadership and support in the creation, expansion and codification, in SNOMED CT, of a standardised terminology of needs, situations, factors and observations in the field of social care.

wSocial: Support in the integration of the InterSocial dictionary into the new social intervention information system, wSocial, of the Department of Social Rights.



3.2 Artificial Intelligence Area

The Artificial Intelligence Area of the TIC Salut Social Foundation coordinates and executes the actions for the deployment of the Programme for the **Promotion and Development of Artificial Intelligence in the Health System of Catalonia** (Health/AI Programme), published in [Resolution SLT/954/2023](#), of 19 March, in the Official Gazette of the Generalitat of Catalonia.

The Area team also participates in artificial intelligence projects in the field of health, financed by competitive funds that provide high value.

Main Projects and Milestones of the Area In 2023:

HEALTH/IA PROGRAMME:

Creation of a fertile environment for innovation in the field of health through the development and implementation of artificial intelligence solutions that improve public health, prioritising prevention, leading the implementation of AI solutions and contributing to improving the quality of care and the sustainability of the health system, placing value on the knowledge generated by the integral health system for public use in Catalonia (SISCAT).

*
Establishment of the Directing Committee and the Executive Committee of the Health/AI Programme as well as its work meeting. Drafting a report on the management of the European Health Data Space (EHDS).

*
Conducting state-of-the-art studies to explore the launch of new challenges in the fields of chest radiography, dermatology, medicine, dialysis and stroke.

*
Drafting a report on the management of the European Health Data Space (EHDS).

*
Launching of AI Challenges: Participation in the launch and execution of Diabetic Retinopathy and Chest X-ray Challenges in the primary care setting, as well as Challenges launched under the Artificial Intelligence Medicine Centre (CIAM).

*
Professional training: Conference on generative artificial intelligence in the field of health, Smart Health Awareness course, and a webinar on artificial intelligence applied to the health sector, among other training courses.

*
AI Observatory in Health: Creation of a new form for the identification, classification and analysis of 150 artificial intelligence solutions in health, as well as the consolidation of the corresponding database. Regular updating of the AI reference documents section.

*
Coordination when developing, implementing and validating an AI model for diabetic retinopathy within the structure of the Digital Medical Imaging System (SIMDCAT).

*
Support for initiatives: Advice for SISCAT entities, companies and research centres. Creation of guidelines for qualifying, classifying and obtaining CE marking and requirements for acquiring a computer application (AI-based) as a healthcare product. Approach to the AI data protection guide. Preparation of a list of technical requirements to implement AI tools. Definition of the catalogue of services to support the different AI initiatives.

INCISIVE

European project to improve cancer diagnosis and prediction by means of artificial intelligence. The project will establish a federated repository of digital medical imaging and clinical cancer data that allows data to be shared securely, and create an artificial intelligence-based toolkit to improve medical imaging detection and decision-making.

*

Leadership regarding tasks on AI explainability, interoperability and communication.

Drafting a report on the management of the European Health Data Space (EHDS).

*

Publication of a report with recommendations for interoperability standards in management projects of medical imaging clinical data.

*

Co-organisation of the event "AI and Cancer: Unleashing Opportunities, Overcoming Challenges."

*INCISIVE has been funded by the Horizon 2020 research and innovation programme of the European Union, under grant agreement no. 9521 



The TIC Salut Social Foundation coordinates and executes the deployment of the Programme Health/AI

Please hold still so we can capture a keyframe...

3.3 Digital Assets Area for Citizens

The Digital Assets Area for Citizens works to promote the use of digital assets for citizens, which involve any **digital solution** that facilitates the **practice of health and social welfare activities** that are person-centred, and accessible through a web page, mobile application or other user interfaces.

In order to promote the reliable and safe use of digital assets in the social and health care fields, the team develops **guides** and **documents**

for reference, and provides citizens and teams of professionals with an **apps directory** of Health and Social care which includes relevant mobile applications in the Catalan territory.

Likewise, the Area promotes the high **quality of mobile applications** for health and wellness through the Health Application Certification Service, pursuant to European standards such as CEN ISO/TS 82304-2.

Main Projects and Milestones of the Area In 2023:

Digital Assets Directory for the citizens:

Initiative to advertise digital assets in the social and health fields that are relevant to the Catalan territory.

*

Identification, review and publication in the Directory of more than 230 digital assets in the social and health care fields.

*

Categorisation of assets with a new, more descriptive information sheet, and with markers to facilitate their search within the Directory.

Certification Service for Mobile Applications:

Assessment of the quality and reliability of health-related apps that request the service, in relation to four main blocks: usability and accessibility; technology; data security and privacy; and functionality and content.

*

New collaborations established with regulatory bodies to strengthen the certification network and improve the service, such as through CEN/ISO 82304-2.

*

Four certified apps and sixteen reviewed ones.

*

Self-assessment test adapted to the new directives and regulations of the Department of Health.

Label2Enable:

European project to promote the CEN/ISO/TS 82304-2 healthcare application assessment framework in Europe.

*Label2Enable is financed with 1.3 million euros from European funds.



Detailed assessor's Manual (*handbook*) that includes all the guidelines for assessing and verifying the evidence of health applications following the criteria established in CEN/ISO/TS 82304-2.



Elaborated certification scheme that defines the entire flow and stages to be followed in order to assess a health application.



24 health apps assessed pursuant to CEN/ISO 82304-2.

Radar of Digital Assets:

European project to promote the CEN/ISO/TS 82304-2 healthcare application assessment framework in Europe.

Its aim is to provide a global view of the digital solutions and services offered by SISCAT hospitals.



Definition of the project with the Citizenship, Innovation and User Area of the Catalan Health Service.

Good practices guide for the development of digital assets for citizens:

European project to promote the CEN/ISO/TS 82304-2 healthcare application assessment framework in Europe.

Dissemination of the relevant requirements that a digital asset or service needs to meet in order to be accessible from La Meva Salut, and so that it can be applied to all digital products and services in the areas of health and wellness intended for SISCAT.



Definition of the project with the Citizenship, Innovation and User Area of the Catalan Health Service.

+Salut/

European project to promote the CEN/ISO/TS 82304-2 healthcare application assessment framework in Europe.

Designing and launching pilots for the co-creation of a new proactive, preventive and personalised relational model along with professionals and citizens, using the CRM Salesforce and with the support of a PHR so that citizens can manage their own data.



Four-month sprints for piloting the solutions.

3.4. Personalised Digital Care and eHealth

The Personalised Digital Care and eHealth promotes the use of technology within **care processes** so that they become more proactive, participatory, collaborative, intelligent and customised, and thus ensure the advancement of the health system.

The team works towards defining, designing and developing protocols and technological tools that guarantee

personalised, proactive and standardised follow-ups with citizens; it seeks to enhance the efficiency and accessibility of technological assistance services, implement integrative models for the detection, diagnosis, treatment and monitoring of the patient, and assess technological solutions that adapt health and social care to the system's needs, while also focusing on the individual and the population.

Main Projects and Milestones of the Area In 2023:

Personalised and precision medicine:

Support in determining the Catalan Health Service's strategy for the deployment of personalised and precision medicine (omics).

ICT tools for improving autism:

The aim of the project is to assess whether the use of ICT can improve the treatment and quality of life of people with autism spectrum disorder.

★ Start of the project with the GURU Foundation, the Sant Francesc d'Assís Foundation and the Open University of Catalonia (UOC).

UNICAS:

State project to create an ecosystem of alliances towards an improved response regarding paediatric patients with complex rare diseases throughout the entire care process (from start to finish). Under the scope of the Plan de Atención Digital Personalizada, financed by the Plan de Recuperación, Transformación y Resiliencia and the Next Generation European funds, Catalonia is leading the development and technological integration of the project.

★ Start of the state-wide project and coordination of the execution of the design, development and technological integration actions of the project led by Catalonia.

★ Identification of UNICA nodes (29 functional nodes distributed among the 17 autonomous communities plus Ceuta and Melilla).

★ Identification of needs in the treatment of rare paediatric diseases.

★ Co-creation workshop on UNICAS's technological vision, with the constitution of five functional groups at state level to design the platform.



Incorporation of drones into the field of health:

Promotion of the use of drone technology in the three work areas identified within the field of health, which are: health transport logistics, medical emergencies and clinical applicability.

✳️ Coordination of the drone network in the health sector.

Pilot test for biological sample transportation

✳️ a drone in Olot.

Preparation of the report Integration of drones in the health

✳️ sector, and publication of an infographic on the cases of use within Health.

5G projects in the Terres de l'Ebre:

Initiatives and use cases in the health sector relevant to the application of the 5G network in rural areas of Catalonia.

✳️ Success of the pilot test on the use of 5G in two cases in the health sector: the at-home monitoring system for chronic patients and mobile ultrasound.

✳️ Report of the pilot test on the use of 5G technology for the provision of health services in residential homes at the 5G laboratory in Terres de l'Ebre.

✳️ Presentation of the report in Móra d'Ebre.

3.5. Area for Digital Skills

The Area for Digital Skills promotes, collaborates and actively participates in local, national and international projects regarding the improvement of those **digital skills** necessary for the use of technologies in the health ecosystem.

Main Projects and Milestones of the Area In 2023:

COMPDIG-Salut:

Proposal of different challenges by the Professional Dialogue Forum. More specifically, challenge no. 4 proposed improving healthcare professionals' digital skills.

This desire has materialised in the COMPDIG-Health project, promoted by the TIC Salut Social Foundation, the Department of Health and the Department of Business, and currently financed for two years by the Technical Support Instrument of the European Union, which fund Catalonia and Estonia jointly due to the similarity between the health sector needs of both places, aiming to create joint synergies.

D1. Report on good practices on DC frameworks for the Health and care sector.

D2. Report on good practices on education and training pathways for digital competences and on governance models.

Definitive digital skills map for professionals in the health professions.

Proposal for a model of training and accreditation of the digital skills for professionals.

Co-organisation of a workshop in Brussels with ministries of health from different countries to explain the challenges and strategies to improve the digital skills of healthcare professionals.

* Presentation of the Catalan model on digital skills for health professionals at the WS in Brussels.

* Agreement with the Charité – Universitätsmedizin Berlin, which will carry out a study to assess the digital skills of its professionals using the project questionnaire.

* Continuity of the agreement with the Rovira i Virgili University in the use of the questionnaire to assess the digital skills of Nursing Degree students.

EHECADI:

European project with the aim of creating a digital, international and collaborative model to address social challenges in the health sector in senior thesis projects in the fields of Nursing, Physiotherapy, Occupational Therapy, and Nutrition and Dietetics.

- * Leadership of tasks related to the identification of societal challenges and European research priorities to prepare the deliverable report.
- * Identification and definition of the necessary skills to promote the digitisation process and the digital transformation of healthcare professionals.
- * Creation of the course to improve the aforementioned skills.
- * Leadership of workshops with the External Committee of the EHECADI Council.
- * Dissemination activities: Interviews with FTSS staff about innovations in the field of digital health.

*The project is co-financed by the Erasmus programme of the European Union. 

DELIVER:

European project aimed at improving the digital skills of health professionals so as to support the digital transformation of healthcare, and to develop a shared transnational educational programme focused on the digital skills of professionals and online learning tools (e-learning) for continuous professional development.

- Preparation of the curriculum and learning material.
- * Development of the online learning platform on digital skills for health professionals.
- Assessment of the content and usability of the online learning platform with a group of eleven COIB nurses.
- * Proposal of policies and implementation of recommendations.
- * Project closure on 30 December 2023.
- *

*The project is co-financed by the Erasmus programme of the European Union. 

3.6. Medical Imaging Area

The Medical Imaging Area works to support the Digital Medical Imaging System of Catalonia (SIMDCAT) and the Pathological Anatomy Digital Medical Imaging System of Catalonia (PAT-SIMDCAT), in coordination with the Area of Information Systems of the Catalan Health Service.

These systems increase **patient safety**, because, among other things, they avoid the loss or

repetition of radiology or pathology tests have been carried out, since they allow imaging to be shared between centres, or, in other words, they facilitate **networking**.

They also make it easier to activate teleradiology or telepathology processes, implement systemic diagnostic support tools, and balance workloads in the territory, if necessary.

Main Projects and Milestones of the Area In 2023:

SIMDCAT:

A centralised repository of SISCAT digital medical images that serves to provide the public health system with a secure and technologically advanced environment for the storage and sharing of digital medical imaging services, such as conventional radiology, magnetic resonances, angiograms, mammograms, PET and SPECT tests, etc.

It is also used to store and safeguard medical images from other specialised services that are generated in the visible light spectrum, such as dermatology or ophthalmology images.

*
Monitoring the production service to maintain its quality.

*
Support for the production of medical imaging in La Meva Salut.

*
Support in deploying of the DOSE software, which is a centralised software for recording and managing the radiation dose from medical imaging scans of the entire SISCAT.

*
Support in determining the technical and functional requirements to provide a radiology information system (RIS) for the SISCAT centres, to improve and optimise the radiology flows or networking processes.

Pat-SIMDCAT:

Centralised repository of digital medical images of pathological anatomy of the SISCAT, in which the whole slide imaging (WSI) or the slides generated by DICOM 145 format scanners are stored.

Currently, all the pathological anatomy services of the ICS are connected to the Pat-SIMDCAT. In the future, the already digitised or to-be digitised pathological anatomy services of the rest of the SISCAT will also be connected to the system.

*
Production service tracking for quality assurance.

*
Subscription process initiation for the Pat-SIMDCAT with Clilab diagnostics.

*
Subscription process initiation for the Pat-SIMDCAT with the AP service of the Marine Health Park.

3.7. Interoperability Area

The Interoperability Area provides **cross-disciplinary support** to the **Health and Social Services System of Catalonia** to promote the use of international reference standards, such as HL7 FHIR, SNOMED CT, LOINC, IHE, DICOM and OpenEHR.

Interoperability guarantees access to information regardless of where it is recorded, and favours reuse, as it minimises blind spots and ensures ongoing care.

Main Projects and Milestones of the Area In 2023:

Support for the data axis of the Department of Health:

Advisory service and support in the implementation of clinical terminologies in the Department of Health's data axis, providing information on the implementation of the clinical catalogues used by the providers of the Integral Health System for Public Use in Catalonia (SISCAT).

- ✳ Management and updating of the OIDs registry of the Catalan Health Department.
- ✳ Participation in the drafting of the list for the new PDSIS terminological server.
- ✳ Semantic coding for the following initiatives: scheduling by reasons, RPT (pharmacological), InterSocial imConnecta.
- ✳ Update of SNOMED CT, LOINC, CIM10MC and CIM10SCP terminologies.

The Interoperability team participates in different projects and ensures that **technical information** is available to the whole community for reference.

It is also responsible for the upkeep and updates of the Catalan **SNOMED CT** extension and its reference sets during the year, and for issuing an annual publication, based on the needs of the Catalan health system.

These systems increase patient safety, because, among other things, they avoid the loss or repetition of radiology or pathology tests have been carried out, since they allow imaging to be shared between centres, or, in other words, they facilitate networking. They also make it easier to activate teleradiology or telepathology processes, implement systemic diagnostic support tools, and balance workloads in the territory, if necessary.

Catalan extension of SNOMED CT:

Maintenance and updating, by the Foundation, of the Catalan extension and its reference sets, based on the needs of the Catalan health system.

- ✳ Creation or modification of 186 concepts.
- ✳ Creation or modification of 1,130 descriptions.
- ✳ Creation or modification of 14,327 concepts in the different extension subsets.
- ✳ Creation or modification of 1,172 relations of the coded concepts.
- ✳ New subset added: gender-based violence.

xShare:

European project to introduce the yellow button as well as the xShare industrial and quality label into the European market. The yellow button will allow citizens to download and share health data in the European electronic clinical history exchange format, EHRxF, between different European public and private health systems. It will also allow said data to be used for research purposes.

- * Start of the project in December 2023.

Blue Button:

The aim of the project is to allow the citizens of Catalonia to download and transfer their clinical history summary, regardless of whether it was generated in the public or private sector. Integration of public and private information systems.

- * Signing of the project collaboration agreement with the Catalan Association of Health Entities (ACES) and La Unió (association of social and health organisations).

- * Implementation of the Blue Button in La Meva Salut and initiating deployment of the project in the private sector through ACES and La Unió.

**Interoperability
guarantees access
to the information
regardless of where it is
recorded, and improves
its usability**

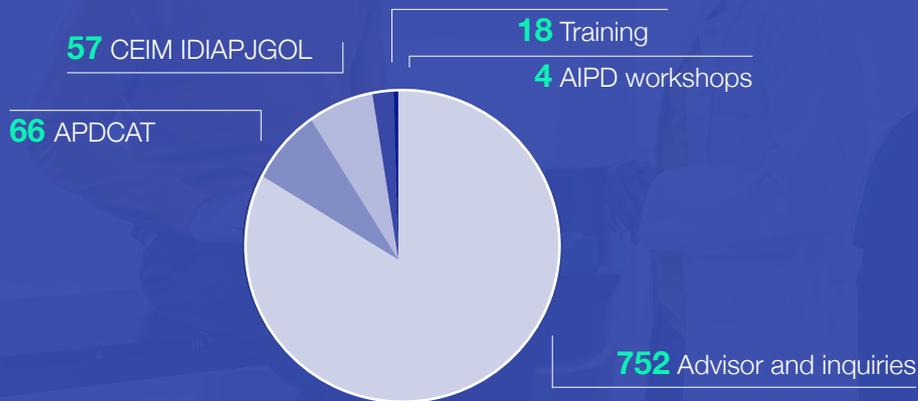
3.8 Health Data Protection Delegate

Affiliated entities [1]	37
- Institutions	4
- Assistance entities	23
- Research organisations	10
Office staff of the DPD	8-10
Budget of the DPD Office [2]	€582,397.50

[1] Entities of the institutional, assistance and research fields

[2] Actual budget corresponding to 2023.

MATTERS PROCESSED AT THE ODPD OF HEALTH



MATERIAL DEVELOPED AT THE ODPD OF HEALTH





Evolution of the data protection impact assessment tool (AIPD):

Extension of the use of the AIPD tool by affiliated entities, and increased knowledge of the tool on the part of non-affiliated entities.

During 2023, several changes were made to facilitate the tool's use, make it more intuitive, increase its functionality and improve its formal aspects. Four AIPD were also developed, targeting the people of the affiliated entities who must carry them out.



Redesign of the web portal:

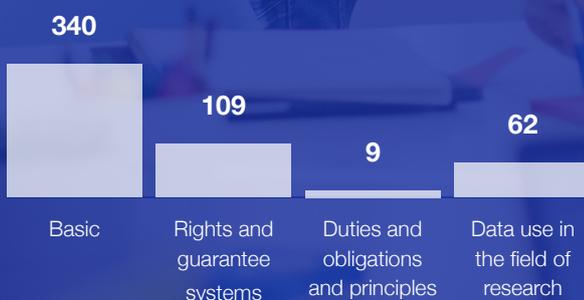
Changes in the content of the www.dpdsalut.cat web portal and extension of the information it features.

Also, a video was made and disseminated, concerning the training provided by the DPD Office and including an explanation of the various modules taught there.



Data protection training:

Training of 520 participants from different affiliated entities. The distribution of students among the four modules that make up the training offered by the DPD Office is shown in the following graph:



Data protection policy:

Elaboration of a data protection policy that offers entities tools that allow them to comply with the regulations and aid them in doing so.

In this regard, the deployment of several areas of mandatory compliance has been planned. For each of these areas, **the DPD Office** develops procedures and action models that are put at the service of the affiliated entities. Likewise, in this area, the following documents have been drawn up:

- * Area relating to the rights of interested parties.
- * Area relating to the control authority.
- * Confidentiality area, the
- * contracts and agreements.
- * Area related to the records on the
- * treatment activity.

Relevant projects

- * Support for the initiatives of the Master Plan for Information Systems: Electronic health record (HES), ambulatory and electronic health record of Catalonia.

- * Deployment of integrated social and health care.

- * Deployment of the portfolio of personalised medical services.

- * Projects in the field of planning or public health of the Department of Health.

- * Health/AI Programme.

- * Adaptation of the biometric signature for informed consent.

- * Innovation projects of the TIC Salut Foundation.

- * Participation in the drafting of regulations by the Department of Health.

- * European and national health data space.

- * Various research projects, some of which incorporate *tools.

3.9. Other

CRITIC.CAT:

Integration of data, information and knowledge of all intensive care activities in Catalonia, to facilitate the management and coordination of both care and logistics.

OCATT:

Design and development of the information systems of the Catalan Transplants Organisation (OCATT).

Vic i-Days:

Organisation of a hackathon at the Faculty of Medicine of the University of Vic on innovative solutions to promote healthy habits and prevent chronic diseases.



INNOBICS-SAHS:

European project to improve the diagnosis and treatment of obstructive sleep apnoea in Girona and Lisbon.

* Deployment of the new care process between primary care centres and virtual sleep units.

SECANT:

European project to improve the organisations' readiness and resilience against cyber-threats.

Leading the redefinition of the use case on cross-border data sharing.

TIQUE:

European project to improve the treatment of heart failure patients with concomitant chronic diseases.

Contribution of the systemic vision and the control of compliance with the technical requirements of the platforms presented to the PCP.

Cross-border eHealth services in Spain (CEF):

European project that ended with the entry into production of the cross-border services of the European patient summary document in April 2023, and its electronic dispensing in July 2022.



*The project is co-financed by the Horizon 2020 programme of the European Union.

*The project is co-financed by the Horizon 2020 programme of the European Union.

*The project is co-financed by the Connecting Europe Facility of the European Union.

Projects financed by competitive funds



Horizon 2020

INCISIVE

Tique

Label

SECANT

Horizon Europa

xShare

EIT Health

INNOBICS-SAHS

Vic i-Days

Erasmus +

DELIVER

PROMISE

CEF TELECOM

Cross-border services

Communication



5.1 Publications

The Artificial Intelligence Area of the TIC Salut Social Foundation coordinates and executes the actions for the deployment of the Programme for the Promotion and Development of Artificial Intelligence in the Health System of Catalonia (Health/AI Programme), published in Resolution SLT/954/2023, of 19 March, in the Official Gazette of the Generalitat of Catalonia.

ABDON, Nuria;
CIFRE, Maria;
BRETONES, Maria.

*

PUJOL, Ramon;
GUANYABENS, Joan

*

[Maturity study of artificial intelligence within the health sector in Catalonia's research centres.](#) TIC Salut Social Foundation. Government of Catalonia, 2023.

["Medicine in the age of artificial intelligence."](#) Medicina Clínica [Barcelona], vol. 161 No. 12 (2023), p. 530-532.

AUSSÓ, Susanna;
DOMÍNGUEZ, Didier;
BARTOLOMÉ, Yeray.

*

*

[Best practice guide for code development of Artificial Intelligence solutions in Health.](#) TIC Salut Social Foundation. Government of Catalonia, 2022.

[Report on good practices on DC frameworks for the health and care sector.](#)

AUSSÓ, Susanna;
DOMÍNGUEZ, Didier;
QUINTANA, Mariona.

*

*

[Guide on explainability in artificial intelligence.](#) TIC Salut Social Foundation. Government of Catalonia, 2022.

[Report on good practices on education and training pathways for digital competences and on governance models.](#) European Commission. TIC Salut Social. Ministry of Social Affairs of the Republic of Estonia, 2023.

FONDA, Federico
[et al.]

*

["Healthcare System Digital Transformation across Four European Countries: A Multiple-Case Study."](#) Healthcare [Basilea], vol. 12 No. 1 (2023).

5.2. Participation in congresses and conferences

The TIC Salut Social Foundation team participated in numerous conferences and events throughout 2023.

1st trimester

Solutions based on artificial intelligence to offer support during the diabetic retinopathy care process in primary care – **January 9.**

European Cancer Imaging Initiative – **23 January.**

IOT Solutions World Congress – **from 31 January to 2 February.**

XX Health Data Security and Protection Forum – **15 and 16 February.**

FITECU 2023 – **from 23 to 25 February.**

MWC 2023 – **from 27 February to 2 March.**

Session: "Artificial intelligence and humanism" – **28 February.**

XI ACES Conference: "Innovation in the Health Sector" – **16 March.**

XIII RDI ICT Health and Social Conference – **16 March.**

XXVI National Health Informatics Congress 2023 – **from 21 to 23 March.**

2nd trimester

Session: "Drones in health: History and future" – **17 April.**

Conference: "Health data management: Challenges and opportunities" – **27 April.**

Round of debates #iNNovacióCSC: "Digital therapy: Are we ready?" – **April 27.**

CSC: "Digital therapy: Are we ready?" – **April 27.**

Conference: "How to leverage a competitive advantage from data protection by design and by default" – **May 4.**

12th Nursing Conference in Osona: "Technological innovation for nursing care" – **10 May.**

Health Revolution Congress 2023 – **17 May.**

Conference: "Technological innovation for nursing care" – **10 May.**

23rd International Conference on Integrated Care (ICIC23) – **from 22 to 24 May.**

Innovation Thursdays – **25 May.**

CAB. Conference: "5 years from the application of the General Data Protection Regulation" – **25 May.**

XIII Forum for ICT Governance in Health 2023 – **30 May.**

Conference: "Immersive technology in health and social care" – **31 May.**

openEHR Conference: "No time to waste: building the lifelong, patient-centric EHR" – **6 June.**

Session: "Artificial intelligence: Mosaic of realities in Health, with opportunities and risks to manage" – **7 June.**

Radical Health Festival in Helsinki – **12 June.**

XXVIII Conference of the Catalan Society of Clinical Pharmacy – **13 June.**

1st Conference on Clinical Genomics and Personalised Medicine – **15 June.**

2nd Taulí Health Artificial Intelligence Symposium – **19 June.**

Presentation: "Digital health: Oasis or mirage for the Catalan health system" – **27 June.**

Conference: "Digital transformation in the health system of Catalonia" – **4 July**.

3rd trimester

Open market consultation: "Development of AI-based solutions to provide medical information to citizens" – **12 July**.

Conference: "Will there be an EHDS for everyone? Secondary use of health data" – **20 July**.

Conference: "Will there be an EHDS for everyone? Secondary use of health data" – **20 July**.

IEEE EMBC 2023 – **from 24 to 27 July**.

Conference: "Generative artificial intelligence in the health sector: Professional and organisational opportunities and threats" – **13 September**.

XPatient Barcelona Congress - **21 September**.

CyberHealth & Pharma Summit 2023 – **21 September**.

Conference for Senior Management in Health. Towards a New Medicine based on Data and Artificial Intelligence – **28 September**.

4th trimester

Publication: Cybersecurity and artificial intelligence – **month of October**.

XXX National Conference on Innovation and Health in Andalusia – **4 October**.

ISCIII Platforms for IDI Support in Biomedicine and Health Sciences, 2023 Conference – **from 18 to 20 October**.

Technology Exploration Day – **18 October**.

Vic i-Days – **19 October**.

Debate: "Artificial intelligence and digital rights in the field of health" – **23 October**.

X Digital Pathology Course – **from 25 to 27 October**.

Health4Good DKV 2023 – **25 October**.

Session: "AI and Cancer: Unleashing Opportunities, Overcoming Challenges" – **7 November**.

HEALTHTECH2030 – **8 November**.

Celebration of World Radiology Day – **8 November**.

Workshop on the use of digital therapies and AI in health care – **8 and 9 November**.

Smart City Expo – **8 November**.

3rd Annual GTMS Innovation Conference – **9 November**.

14th Research Conference of the Catalan Institute of Health – **10 November**.

Presentation of the pilot test on the use of 5G technology for the provision of health services in the home environment at the 5G laboratory in Terres de l'Ebre – **15 November**.

Course: How to introduce artificial intelligence to our centres – **15 November**.

ICT Day in Catalonia 2023 – **15 November**.

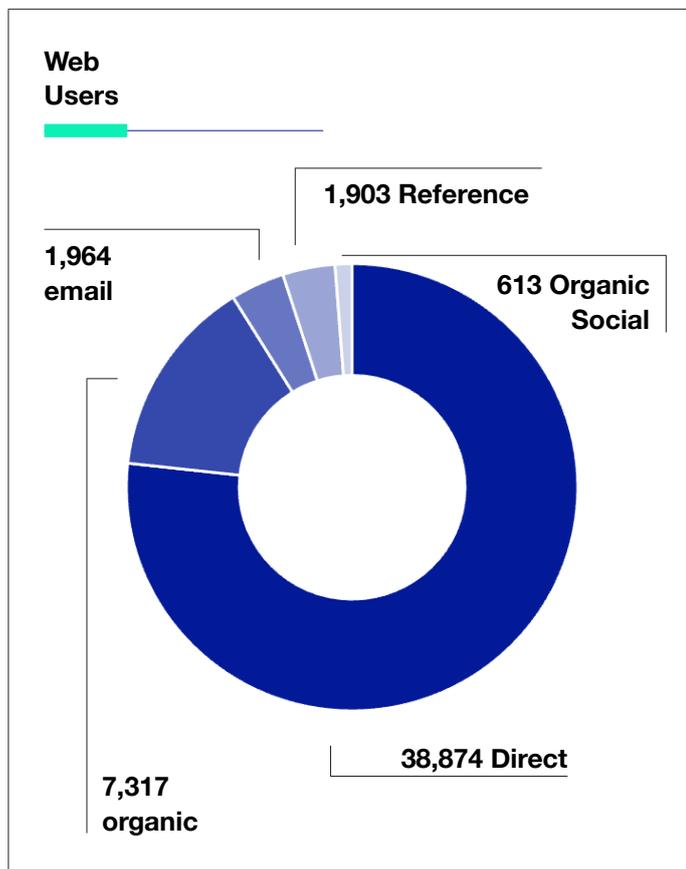
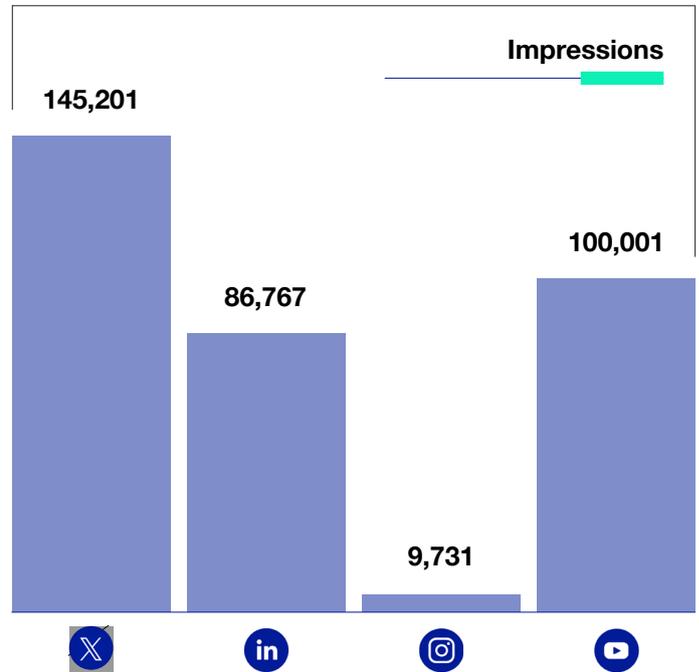
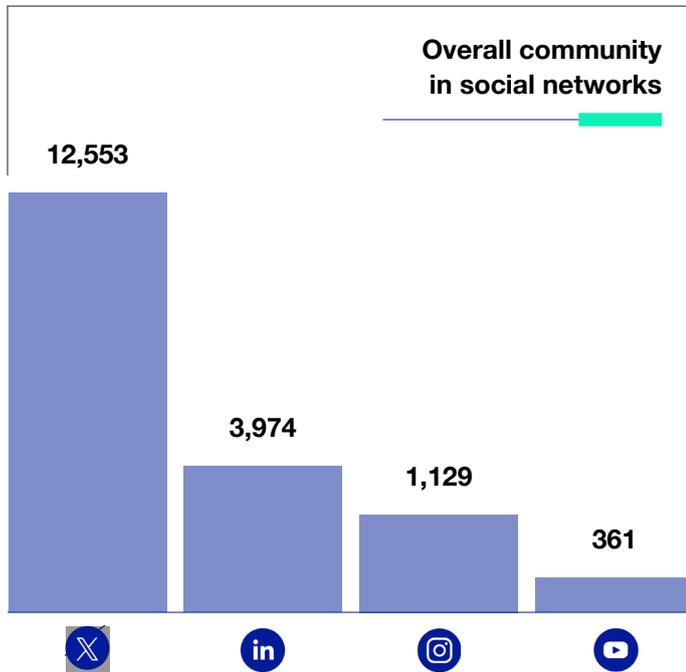
Spain Healthcare Innovation Summit 2023 – **16 November**.

2023 Thought Leader EHTEL Symposium – **29 November**.

Conference: "European Health Data Space: Key aspects of data protection" – **18 December**.

5.3. Community in social networks

The TIC Salut Social Foundation team participated in numerous conferences and events throughout 2023.



Other indicators

People subscribed to Flash TICSS (Monthly newsletter)	4,306
Impact on media	191
Audience	20,009,733
Economic assessment (€)	412,517

Financial information



Asset	3,176,287.89
Non-current asset	58,170.99
Current asset	3,118,116.90
Total liability	3,176,287.89
Net worth	133,925.65
Non-current liability	1,182,238.95
Current liability	1,860,123.29
Income	3,498,680.20
Transfers	3,104,954.56
Provision of services	278,693.61
Other income	110,192.43
Expenses	3,432,912.03
Staff	2,298,647.05
Other management costs	1,134,264.98
Result of the financial year	65,768.17

2023 Report

TIC Salut Social Foundation

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