Co-funded by the European Union
NextGenerationEU

GOBIERNO DE ESPAÑA
MINISTERIO DE INDUSTRIA, COMERCIO Y TURISMO

Plan de Recuperación, Transformación y Resiliencia

Escuela de organización industrial

EDIH DATAlife Project

Data Science in Fundamental Physics and the bridge to industry & society_IGFAE

This project has received funding from Digital Europe programme under Grant Agreement No 101083755

About DATAlife

DIH DATAlife is the Digital Innovation Hub for **Life Sciences** in Galicia, to boost the value of Galicia as a European reference in bioresources, sustainability and health through artificial intelligence (**AI**) and other disruptive technologies, as a strategic lever for innovation and business competitivity.

Mail goals:

- **One stop shop**
- **Technological services and innovation services** (Funding advise, training, digitisation skills, ecosystem building...)

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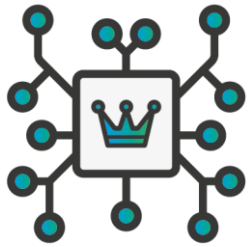
About DATAlife

Non profit association
Selected DIH as strategic in competitive call by Regional Government (2019)
and as European Digital Innovation Hub in 2022 by European Commission

Differential factor DATAlife

Data is the king



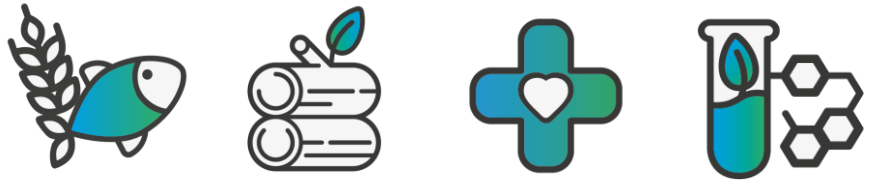
Disruptive technologies serve to:

- be analyzed: AI
- be captured: IoT
- be secured: cybersecurity
- be managed: high-performance computing
- Etc.

Demand-driven and cross-sectorial

Interconnected value chains

- Agri-sea food
- Forestry-wood
- Healthcare
- Biotechnology



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DIH DATAlife Members

Technology Centers

energylab

gradiant

Technological Centre

CESGA
Centro de Supercomputación de Galicia

ANFACO CECOPESCA

Clusters

Cluster de la Acuicultura
Centro Tecnológico del Cluster de la Acuicultura

bioga

CMD
Cluster da Madeira e o Deseño de Galicia

CLUSTER TIC GALICIA

CLUSTER SAÚDE DE GALICIA

agaca
Asociación Galega de Cooperativas Agroalimentarias

ANFACO CECOPESCA

University system

Universidade de Vigo

USC
UNIVERSIDADE DE SANTIAGO DE COMPOSTELA

feuga
fundación empresa universidad gallega

Pulling companies

FINSA
soluciones en madera

ZENDAL

NOSO CAPITAL

Televes

vodafone

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DATAlife Services

Trace the route

Advice for digital transformation.

More info

Connect

Supply and demand connection. Partner research

More info

Access

Advice for access to public and private funding sources

More info

Challenge

Resolution of technological challenges through collaboration and co-creation models between the ecosystem

More info

Experiment

Planning, identification, and testing of technologies in real environments, for evaluation by the end-user

More info

Boost

We help you to value data as a basis for decision-making

More info

Guide

We put you in contact with specialized technology leaders

More info

This project has received funding from Digital Europe programme under Grant Agreement No 101083755

DATAlife background

Digitisation workshops (IGAPE)

+800 supported entities!

Regional Funding (GAIN)

HIBA (INTERREG)

SOS FOOD (H.EUROPE)

AGRIFOOD TEF (DIGITAL EUROPE)

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DATAlife becomes EDIH

DATAlife was selected as *European Digital Innovation Hub (EDIH)* with a project of almost 5,5 million euros that will be co-funded by the European Commission.

As part of the *Digital Europe Programme*, EDIHs will function as **one-stop shop** that help companies dynamically respond to the digital challenges and become more competitive.

EDIHs help companies through **Test Before Invest** to improve business/production processes, products, or services using **digital technologies**

They also provide **innovation services** (**business support, training, ecosystem building…**) that are needed for a successful digital transformation

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Consortium EDIH DATAlife

European project – 100% Galician Consortium

energylab

CETIM Technological Centre

gradiant

Cluster de la Acuicultura
Centro Tecnológico del Cluster de la Acuicultura

bioga

CLUSTER SAÚDE DE GALICIA

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CMD
Cluster da Madeira e o Deseño de Galicia

CLUSTER TIC GALICIA

Technological centers

University system

Coordinator

EDIH DATAlife

Clusters

Big company

USC UNIVERSIDADE DE SANTIAGO DE COMPOSTELA

Universidade de Vigo

feuga fundación empresa universidad gallega

Televes

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Kind of Technological services

Trace the route

Diagnostics and digitalization plans

Cybersecurity

More information

Demolabs

Creation of technological experimentation environments that show the technologies implemented in the different sectors related to the project

More information

Data spaces

Creating data spaces (DATASpaces)

More information

Technological applications

Development and implementation of R+D+i projects supported by disruptive technologies (AI, IoT, HPC...)

More information

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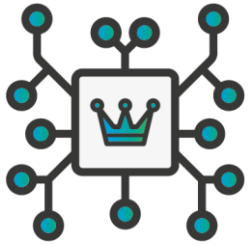
Highlighted projects/initiatives on Data Spaces

Initiatives on DATA Spaces

Data as our core



gaia-x Hub España

The GAIA-X initiative, promoted by the Ministry of Economy and Business, focuses on digitalization through the data economy. Within this context, interoperable and federated data spaces are being developed in different sectors such as primary, health and climate change, areas in which the Hub is involved.

dixitega
Dixitalización da IXP Ternera Gallega

Create a platform that allows agents in the Galician veal value chain to know the data that is relevant to them (DATA space in meat value-chain)

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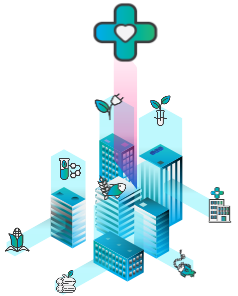
Multisectoral demonstrator DATAlife

The demonstrator will integrate the principles of **OneHealth** and the bioeconomy, essential concepts to address current challenges in terms of **health**, **sustainability** and **economic development**.

By adapting the modular approach, we will be able to focus on specific aspects of these sectors, taking advantage of their interconnectedness:

- **Human health**
- **Animal health, agri-food industry and aquaculture**
- **Sustainability and environmental conservación**

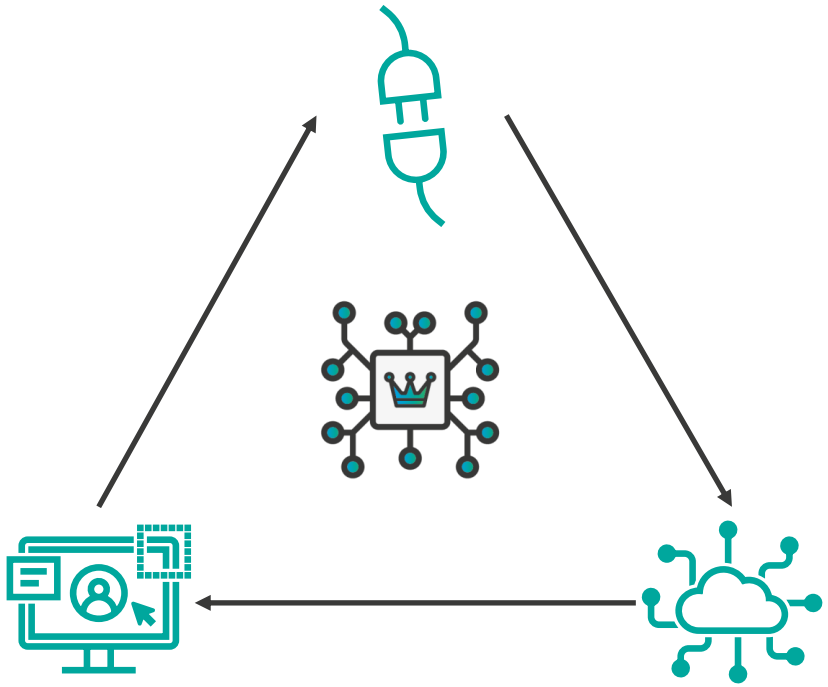
Goals
Provide access, secure and sovereign means of data sharing, as well as a cloud infrastructure equipped with modern and powerful computing means, both at the hardware and software level of the entire value chain, from a holistic point of view that includes data related to human health, animal health, the environment.



Onehealth

Demostrador multisectorial DATAlife

Data Space Technology Architecture



The **multisectoral demonstrator DATAlife** will make available to potential participants a data space that will have **CESGA** as the sole operator.

- It will be based on the components under development by the **Eclipse Dataspace Components** (EDC) project.
- The system will allow new functionalities to be added through the implementation of extensions.
- Access to data will be controlled, ensuring privacy and compliance with regulations such as GDPR.
- In addition, it will comply with the fundamental requirements of Annex VI-Technical Requirements of the Data Spaces of the BOE number 16, published on January 18, 2024.

Use cases submitted to the call

Ovigén

Ovigen: Sheep and goat genetic selection

LINKNOVATE

Inno DataSpace: Technology watch

i4life.es

DATAICARE: Elder Care

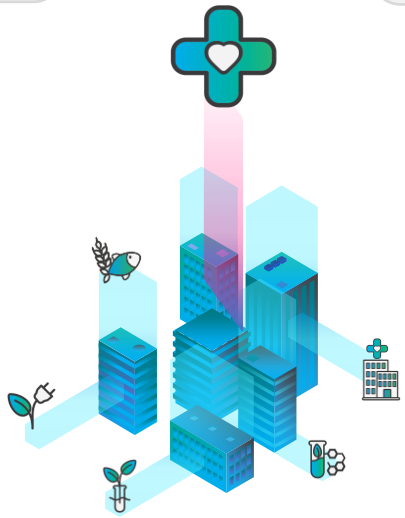
Drivematrix: Sustainability

INSTITUTO DE INVESTIGACIÓN SANITARIA Galicia Sur

SERVIZO GALEGO DE SAÚDE

ÁREA SANITARIA DE PONTEVEDRA E O SALNÉS

GIFT: Gut health



Demostrador multisectorial DATAlife

Universidade Vigo

CeliaSpace: Cognitive impairment

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SERVIZO GALEGO DE SAÚDE

ÁREA SANITARIA DE PONTEVEDRA E O SALNÉS

AIDATAMED: Health data analysis

inverbis.

SALUSBENCH: Healthcare management

Nm - IoT

MOIRAI DATA: Sustainability and mussel farming

INSTITUTO DE INVESTIGACIÓN SANITARIA Galicia Sur

Brilliant: Sarcopenia Observatory

3 european projects started in 2024

Sustainability Optimization for Secure Food Systems

SOSFood

AI applied to agrifood systems resilience

TEF agrifood

Experimentation in dairy and food production

HIBA HUB IBERIA AGROTECH +

Digital innovation in the agri-food sector

HORIZONTE EUROPA

SMART AGRO HUB
Cultivating Innovation

AgriFood DIH Lithuania

Interreg España - Portugal
Fondo Europeo de Desarrollo Regional

FUNDECYTPCTEX
un espacio para innovar

ANDALUCÍA AGROTECH
DIGITAL INNOVATION HUB

Promoting Data Spaces in each project

SMART FARM COLAB

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Any further information?
Let´s talk!

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Project manager

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