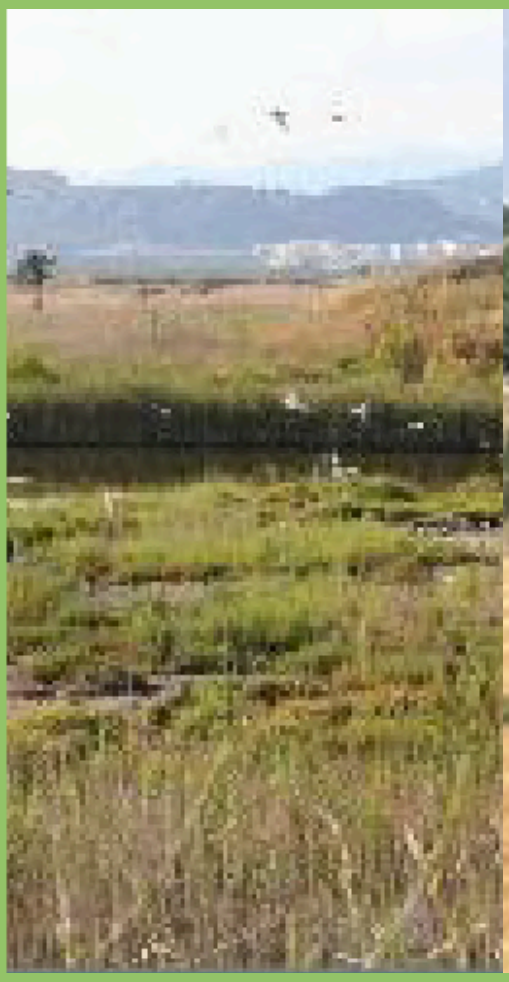
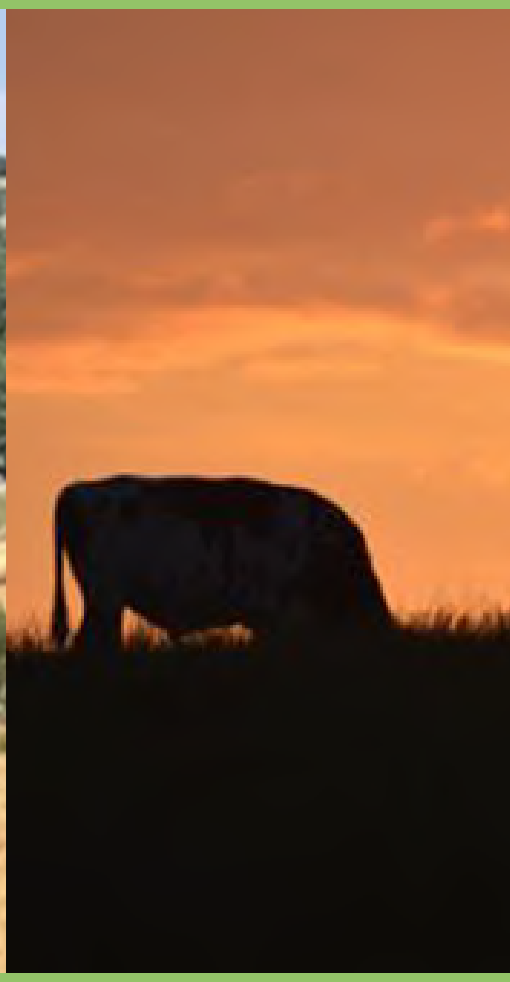
AICFD

2026





EXECUTIVE PROFILE

Calle Valencia, 45, Burjassot Valencia-Spain
www.aicfd.org

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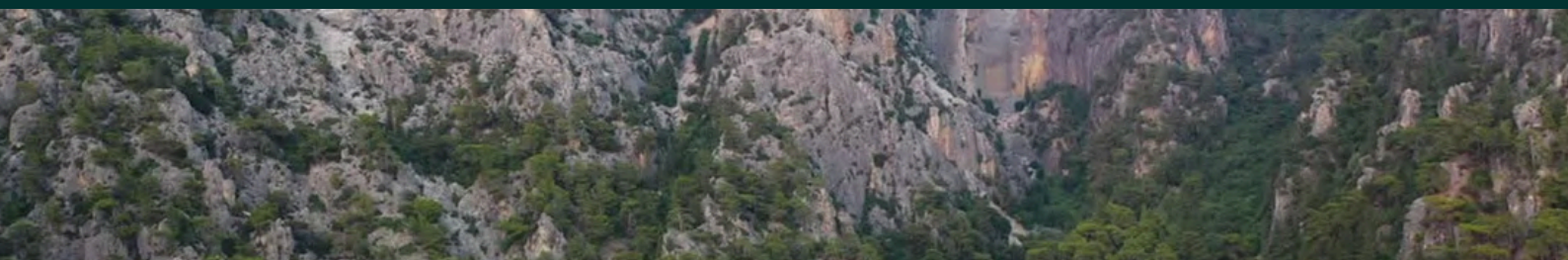
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WHO WE ARE

Building innovation from the territory



Officially established in 2024, AICFD (INTERNACIONAL ASSOCIATION FOR DESRUPTIVE AND FRONTIER SCIENCE) builds on the heritage and values of its founding members to bridge research and real-world implementation, empowering rural communities through innovation, sustainability and collaboration.



📍 **Gúdar–Maestrazgo, Aragón**

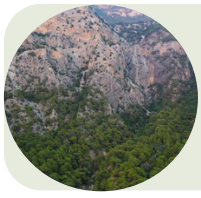
Masía La Risca Living Lab



200 ha
Mediterranean Forest Living Lab



25 ha
Agroforestry Demonstration Area



1,500m
Mediterranean Mountain Ecosystem

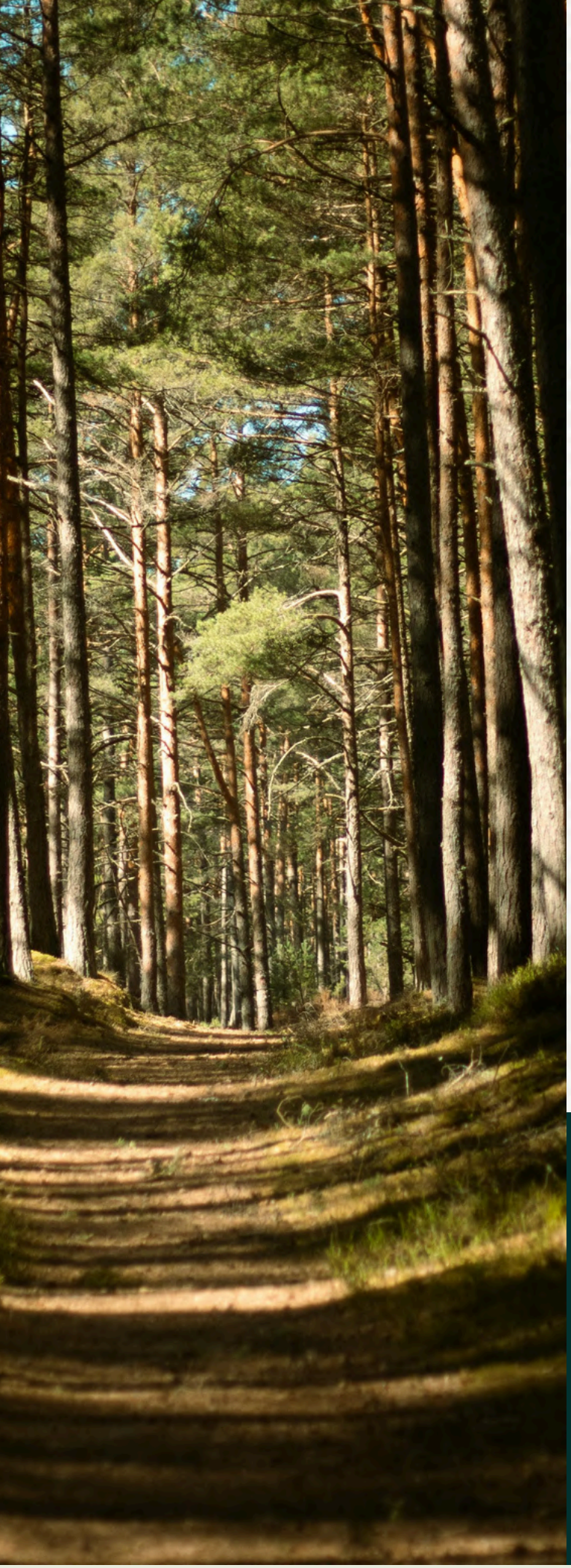
>15,000 ha
Regional Scale-up Potential



Living Labs
Technology validation & co-creation



Digital Infrastructure
Digital twins • IoT • Remote sensing



WHY WE EXIST

We believe that innovation creates the greatest value when it responds to real territorial needs. By bringing together researchers, public authorities, businesses and local communities, we co-design and validate solutions that strengthen environmental resilience while supporting evidence-based local policies and long-term territorial development.

We bridge research and territory to empower rural communities through innovation, sustainability and collaboration.

Turning science into lasting impact for people, nature and territories.

HOW WE WORK

Our Operational Framework







APPLIED SCIENCE

-Translating research into practical, field-ready solutions.
-Testing and validating innovations under real conditions.

DIGITAL TRANSFORMATION

-Using data and digital tools to support better decision-making.
-Enabling scalable and accessible solutions for rural contexts.

TERRITORIAL DEVELOPMENT

-Working with local communities to co-design and implement solutions.
-Strengthening rural resilience and long-term impact.

SCALABLE SOLUTIONS WITH REAL TERRITORIAL IMPACT

CORE AREAS OF EXPERTISE

Transforming research into real-world impact across strategic domains

AICFD

Rural Development	Sustainable Forestry & Agriculture	Climate & Biodiversity	Health Innovation	Virtual Modeling	Nuclear Research
People Territory Innovation	Forests Agriculture Technology	Carbon Biodiversity Resilience	Digital Health Personalised Medicine AI	Nuclear Safety Materials Innovation	Simulation Digital Twins AI



Different areas.

One shared purpose: creating real impact.

RURAL DEVELOPMENT

Revitalising rural territories through innovation, community engagement and sustainable investment

Our approach combines social innovation, applied research and local participation to strengthen resilient and thriving rural territories.

INVESTING IN RURAL REVITALISATION

- Supporting local entrepreneurship and community-led initiatives.
- Strengthening local economies through sustainable territorial investment.



SUSTAINABLE FORESTRY & COMMUNITY DEVELOPMENT

- Creating green jobs through forestry, agroforestry and nature-based solutions.
- Promoting biodiversity, skills development and community participation.

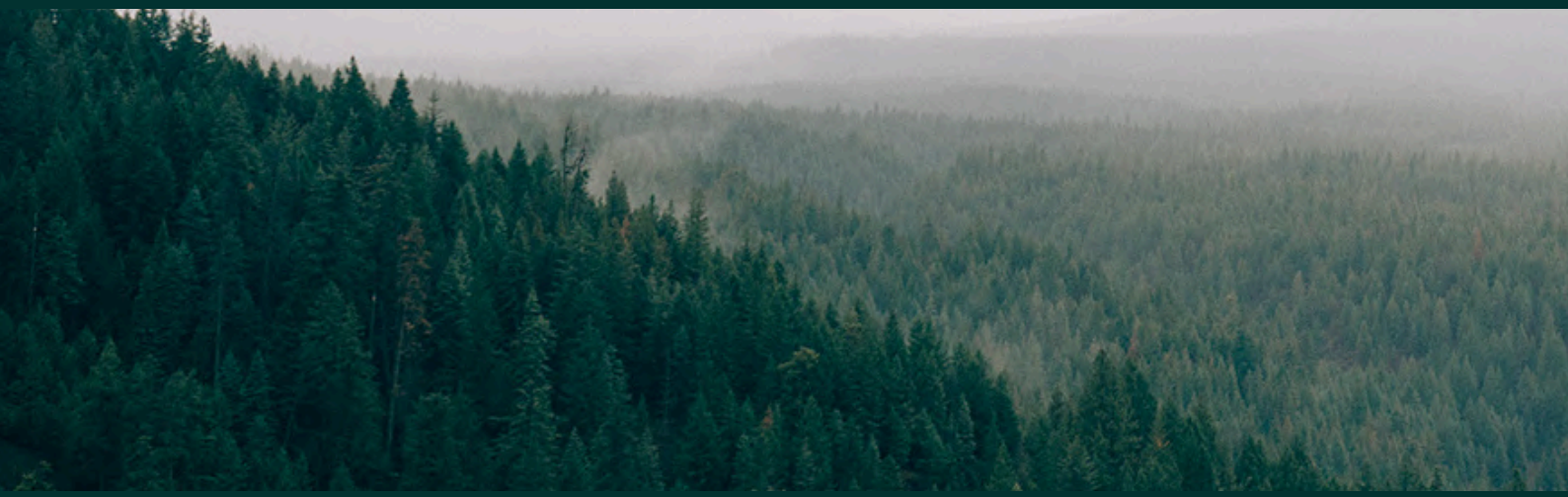
RURAL SOCIAL SCIENCE & TERRITORIAL INNOVATION

- Understanding local dynamics to design evidence-based solutions.
- Co-creating policies and interventions tailored to each territory.



SUSTAINABLE FORESTRY & AGRICULTURE

Building resilient production systems through innovation, digital technologies and sustainable land management





Technology Integration

Integrating satellite data, IoT and drones for continuous ecosystem monitoring.
Supporting data-driven forest management and environmental assessment.



Biodiversity Conservation

Restoring forest ecosystems and ecological corridors.
Monitoring biodiversity and assessing ecosystem services.



Wildfire Prevention

Predicting wildfire risks through environmental modelling.
Supporting prevention strategies and rapid response.

SUSTAINABLE FORESTRY & AGRICULTURE

Building resilient production systems through innovation, digital technologies and sustainable land management





Digital Agriculture

Digital Twins integrating sensors, drones and satellite data.

Data-driven management for productivity, resource efficiency and climate resilience.



Sustainable Production Models

Testing advanced fertilisers and nature-based soil solutions.

Improving soil health, biodiversity and agricultural performance.

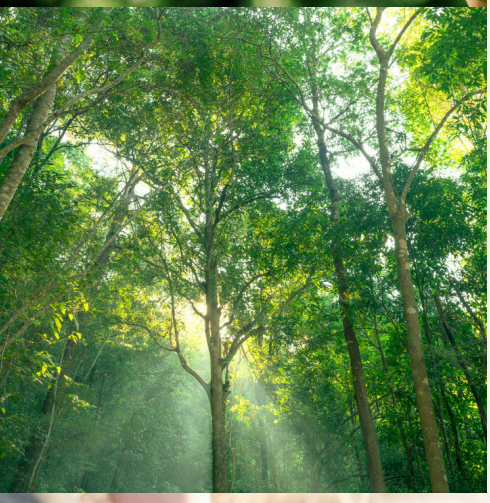
CARBON & CLIMATE RESILIENCE

Advancing nature-based and digital solutions to enhance carbon sequestration, ecosystem resilience and climate adaptation.



Carbon Monitoring & Digital Assessment

Monitoring forest health and carbon dynamics.
Supporting evidence-based climate and biodiversity decisions.



Technical Soils for Carbon Sequestration

Developing nature-based soil solutions to enhance CO_2 capture.
Improving long-term carbon storage and ecosystem productivity.



Climate Resilience & Ecosystem Services

Assessing ecosystem services and climate resilience.
Supporting restoration strategies with measurable environmental impact.

FLAGSHIP PROJECTS

Collaborating with European partners to develop and validate innovative solutions for resilient territories.

FOCAL

EFFICIENT EXPLORATION OF CLIMATE DATA LOCALLY

HORIZON-CL5-2023-D1-01: "EFFICIENT EXPLORATION OF CLIMATE DATA LOCALLY" (FOCAL)-GA 101137787

FOCAL is a Horizon Europe project bringing together **24 partners from 12 European countries** to develop advanced climate services for forests by integrating Earth Observation, Artificial Intelligence, High-Performance Computing, and Digital Twins. The project aims to support evidence-based forest management and strengthen climate resilience by providing tailored tools for a wide range of stakeholders, from researchers and public authorities to forest owners and local communities. Within the consortium, **AICFD Foundation contributes to the socio-economic assessment, the co-design of user-centred solutions, supports the development of clustering and community-building activities, and promotes the uptake of project results into public policies**, helping to ensure that FOCAL's outcomes respond to stakeholder needs and contribute to climate adaptation and sustainable forest management.

https://www.focal-euproject.eu/

Contact us for further inquiries







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