



SMARTY
Interreg Europe



European Union
European Regional
Development Fund

Building the Catalan EDIH: from isolated nodes to an integrated service approach

I2CAT-CATALONIA-Good Practice 2

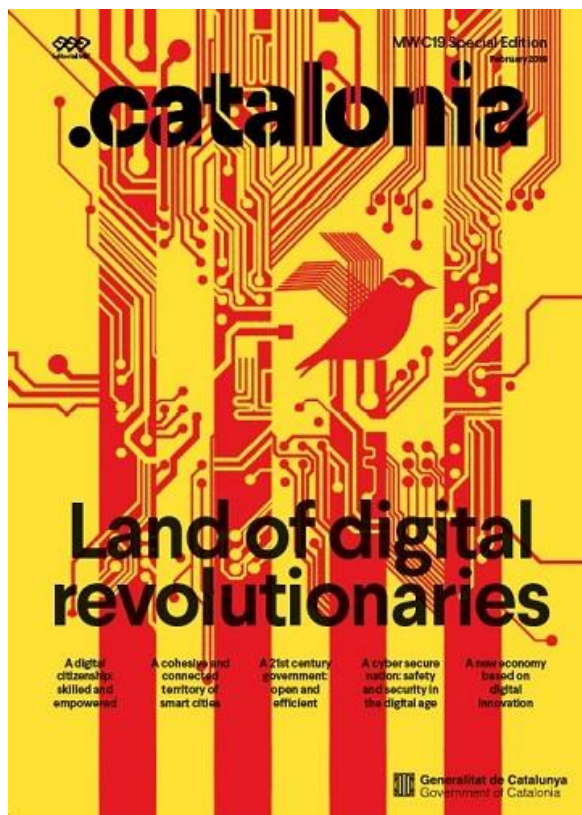


Generalitat
de Catalunya

September 2020

DIGITAL CATALONIA Strategy

Digital policies as key for the Catalan society competitiveness



DIGITAL CITIZENS

An empowered, skilled and protected **digital citizenry**



DIGITAL INFRASTRUCTURES

A **cohesive territory** of smart cities and digital infrastructure



DIGITAL GOVERNMENT

A **government and administration** of the 21st Century: open, digital and efficient



DIGITAL SECURITY

A **cyber secure nation**, that protects citizenry, the businesses and the institutions



DIGITAL ECONOMY

Digital innovation as the powerhouse of the new economy

FIVE PILLARS

DIGITAL CATALONIA Ecosystem

Different structures and players offering services and networking

Catalonia is a world-class tech hub with unique scientific infrastructures and an extensive network of research centers

Extensive network of research centers



UNIVERSITIES



HOSPITAL
INSTITUTES

World-class scientific infrastructures



Mare Nostrum (BSC)
The Institute of Photonic Sciences
Biomedical Research Park
ALBA synchrotron
Institute of Chemical Research

Pro-business environment



- International Congresses (MWC, IOTWC ..)
- Incubators/Accelerators
- Cooperation and business support (industrial and sectorial associations, EEN)
- Strong Cluster Policy
- Government-led initiatives to support businesses
- Catalan government's agency for business competitiveness

A powerful industrial base and highly innovative companies



Barcelona is
the 4th most innovative European
city, *Innovation Cities*
Index 2019

DIGITAL CATALONIA Ecosystem

Different structures and players offering services and networking

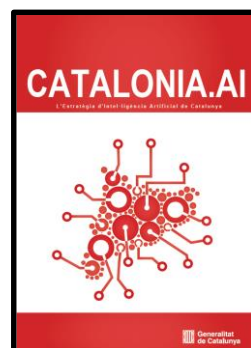


INDUSTRY 4.0
ALLIANCES & DIH



DIGITAL CATALONIA Actions

Working in coordination actions and specific growing instruments



COORDINATION ACTIONS TO IMPROVE PLAYER'S EFFICIENCY

- POSITION CATALONIA AT THE FOREFRONT OF THE USE AND DEVELOPMENT OF DIGITAL TECHNOLOGIES IN DIFFERENT ECONOMIC AND SOCIAL FIELDS.
- PROMOTE THE USE OF DIGITAL TECHNOLOGIES AMONG PUBLIC AUTHORITIES.
- BOOST TRAINING AND TALENT CREATION WITHIN THE USE AND DEVELOPMENT OF DIGITAL TECHNOLOGIES.
- PROMOTE RESEARCH AND INNOVATION IN DIGITAL TECHNOLOGIES AMONG R+D+I AGENTS, public authorities, companies, universities and the civil society.
- PROMOTE THE DEVELOPMENT OF A NEW INDUSTRY THAT REVOLVES AROUND THESE TECHNOLOGIES.
- RAISE THE AWARENESS AMONG CITIZENS OF THE POSSIBILITIES AND POTENTIALITIES OF DIGITAL TECHNOLOGIES, SO AS TO FACILITATE PARTICIPATION AND THE ADOPTION OF SAID TECHNOLOGIES.

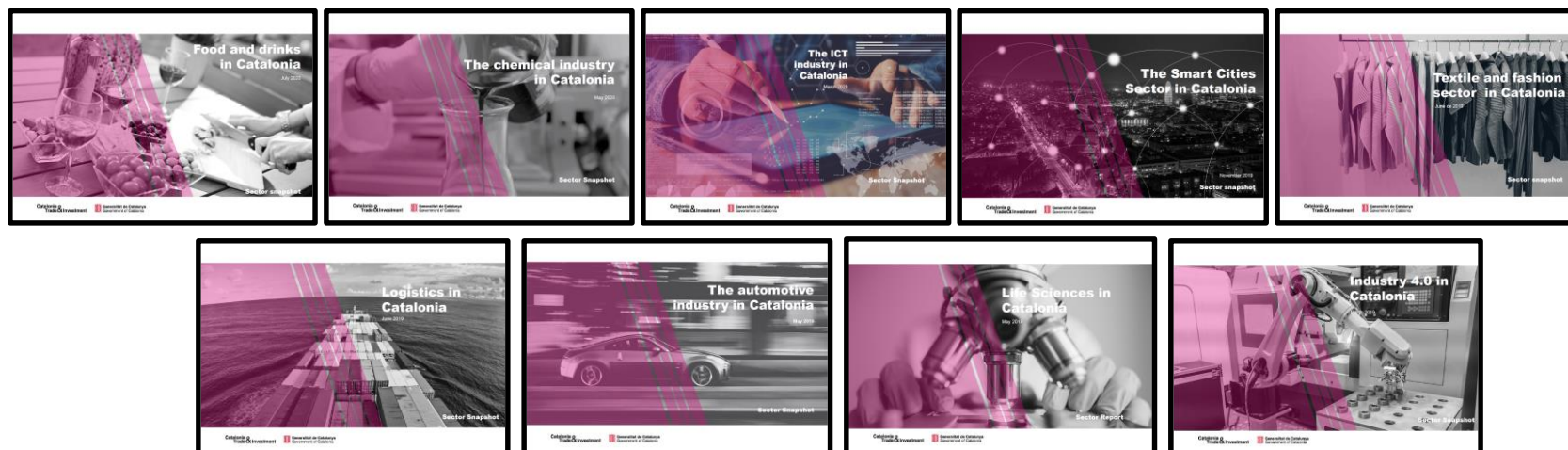
DIGITAL CATALONIA Actions

Working in coordination actions and specific growing instruments



MAPPING OF TECHNOLOGY CAPACITIES AND SECTOR TECHNOLOGICAL NEEDS

- SUPPORT IN PARTNER SEARCHES AND TECHNOLOGY INCORPORATION.
- IDENTIFICATION OF BUSINESS OPPORTUNITIES.



DIGITAL CATALONIA Actions

Working in coordination actions and specific growing instruments



SPECIFIC PROGRAMME TO SUPPORT SMEs IN THE DIGITALISATION PROCESS

Promotion / Training



Technological missions/ Fairs
Industry 4.0 use case publication
Industry 4.0 courses/ Marketplaces 4.0

Strategic Analysis and Digital Transformation Diagnosis



4.0 diagnosis vouchers
Industry 4.0 specialised offer
Assessment services

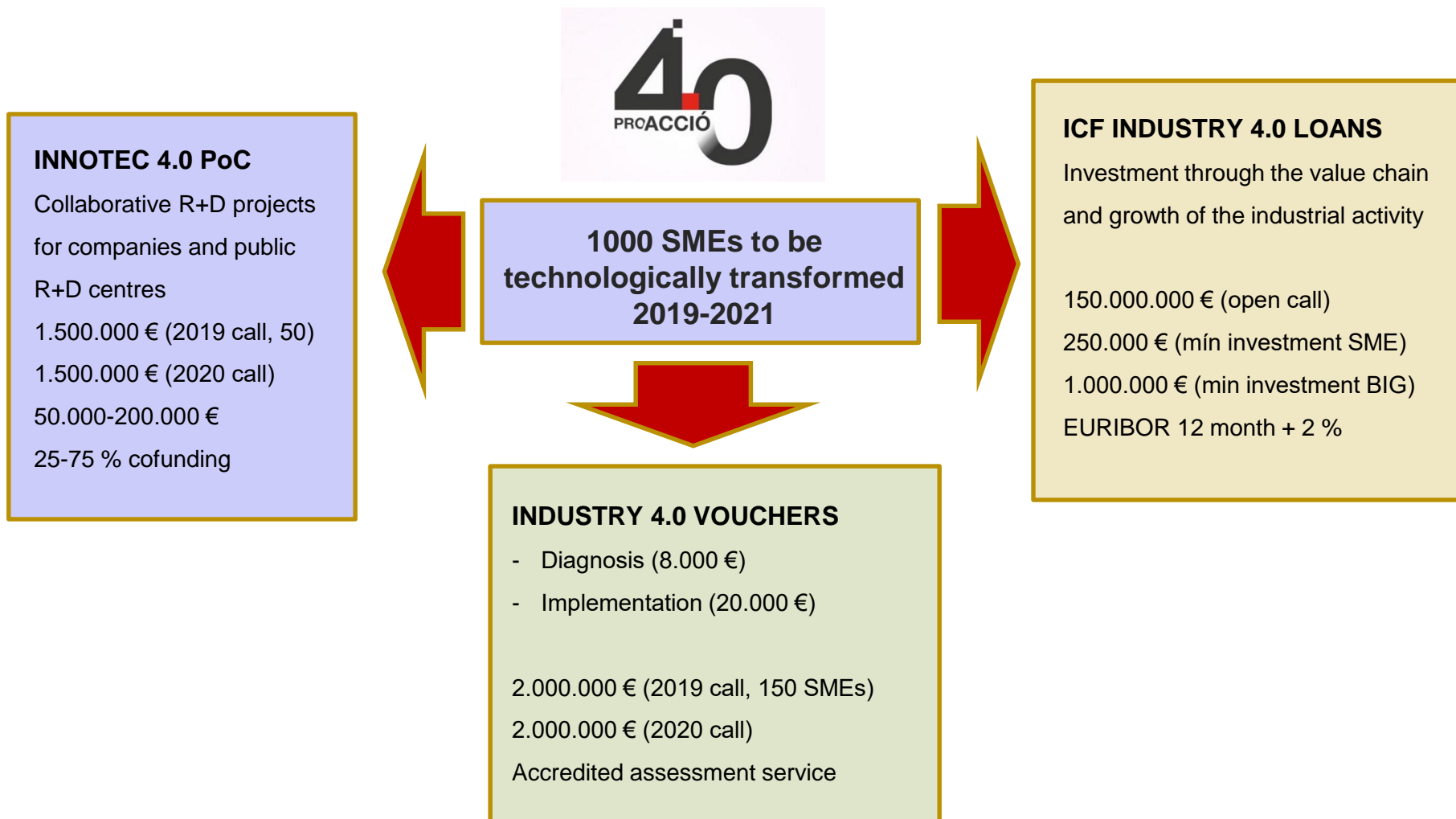
Project implementation/ Ecosystem networking



Grants and funding
Specific funding instruments
Brokerage Events / Pitch Events

DIGITAL CATALONIA Actions

Working in coordination actions and specific growing instruments



DIGITAL EUROPE PROGRAMME

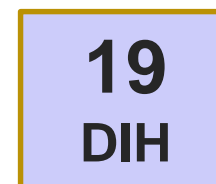
Big opportunity to improve digital coordination in Catalonia

Beyond 2020, DIHs should focus on priority technologies in the digital transformation (AI, cybersecurity, HPC) for EU while empowering main sectors of the regional economy and society

*“European Digital Innovation Hubs (EDIH) will play a central role in the Digital Europe Programme to stimulate the broad uptake of **Artificial Intelligence, High Performance Computing (HPC) and Cybersecurity** as well as other digital technologies by **industry (in particular SMEs and midcaps) and public sector organisations in Europe**”*

*“While EDIHs are free to define their organisation, composition, and governance structure, they should cover at least the **technology side and the business development side**, and be capable of doing effective outreach. They should also have appropriate links to companies and/or public sector organisations. **At the core of the EDIH, there is normally a research & technology organisation (RTO) or university lab offering technology services.**”*

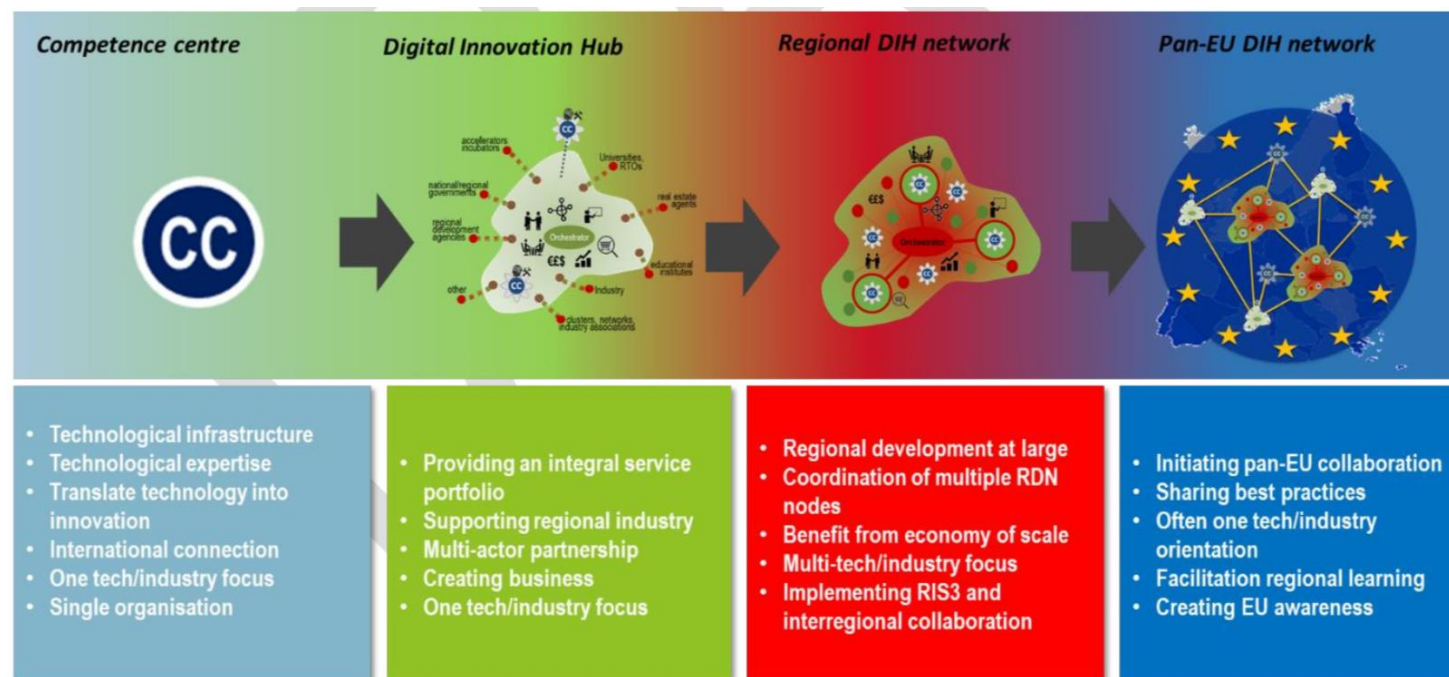
*“...**not all hubs will have the same focus**, but that they complement each other across Europe (...) Hubs are not confined to a regional scope, they should aim at national, European or even world-wide customers. However, they should **ensure that they are a first contact point for the local industry and public sector...**”*



DIGITAL EUROPE PROGRAMME

Big opportunity to improve digital coordination in Catalonia

Evolution of the DIH concept



"...a DIH is seen as the core mechanism to create a **strong, collaborative regional innovation ecosystem** where all innovation partners are working together to support SMEs in a specific digital technology..."

"The Regional DIH networks (RDN) can be seen as a "supra-DIH", **coordinating several industry/technology area oriented RDN-nodes**. (...) The RDNs become the one-stop-shop in the region, **facilitating the connection for the nodes to the services they do not provide.**"

The European Digital Innovation Hub for Catalonia

DIH4CAT brings together, orchestrates and completes Catalonia's main players and infrastructures for digital transformation in order to leverage Catalan SMEs (and Government) digital maturity and competitiveness.

DIH4CAT is a **non-profit regional ecosystem** that integrates the main agents involved in the digital transformation in Catalonia.

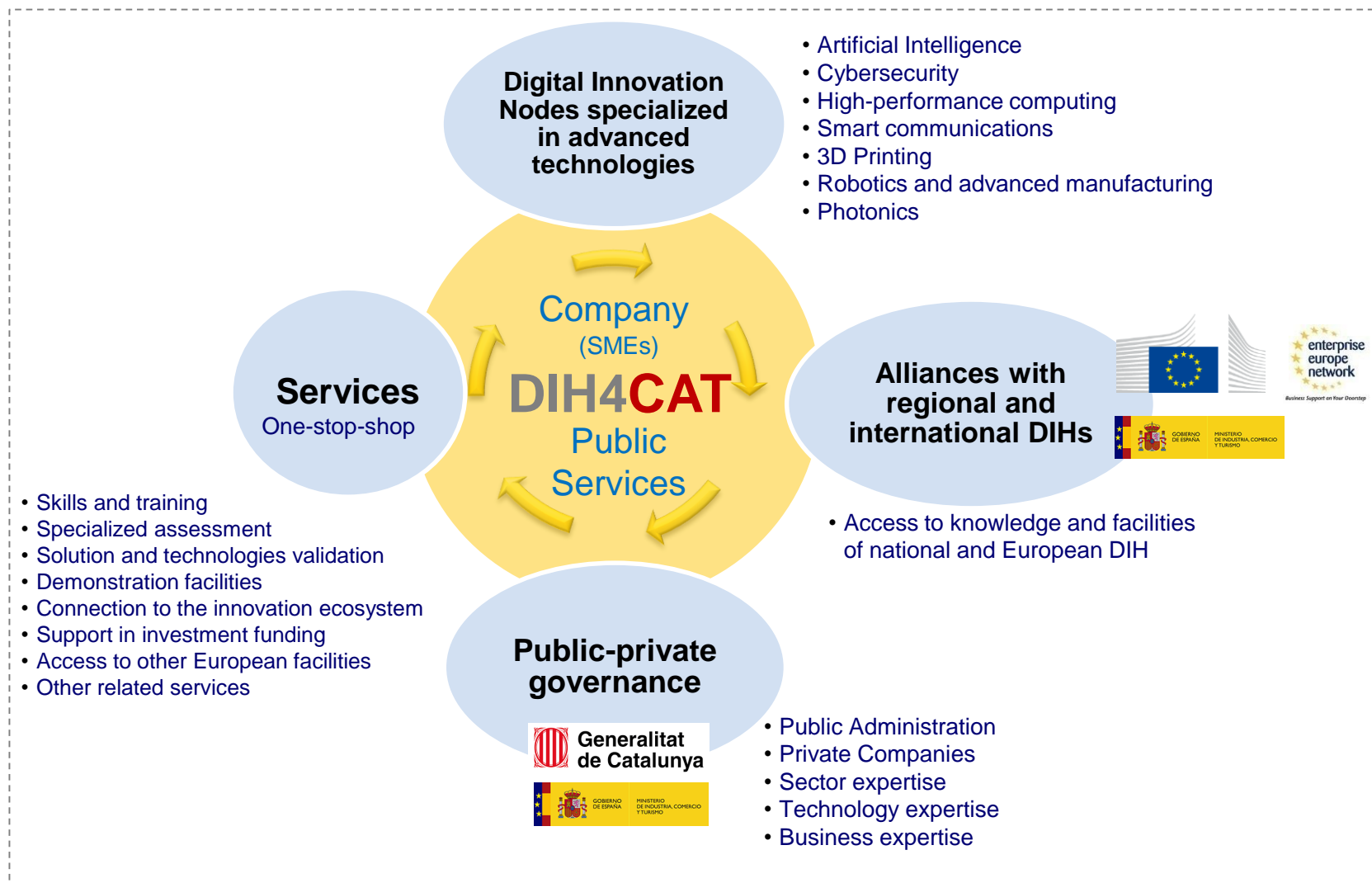
Our **vision is to move forward to a new prosperous productive model, reliable and sustainable**, helping SMEs to become *Companies of the Future*:

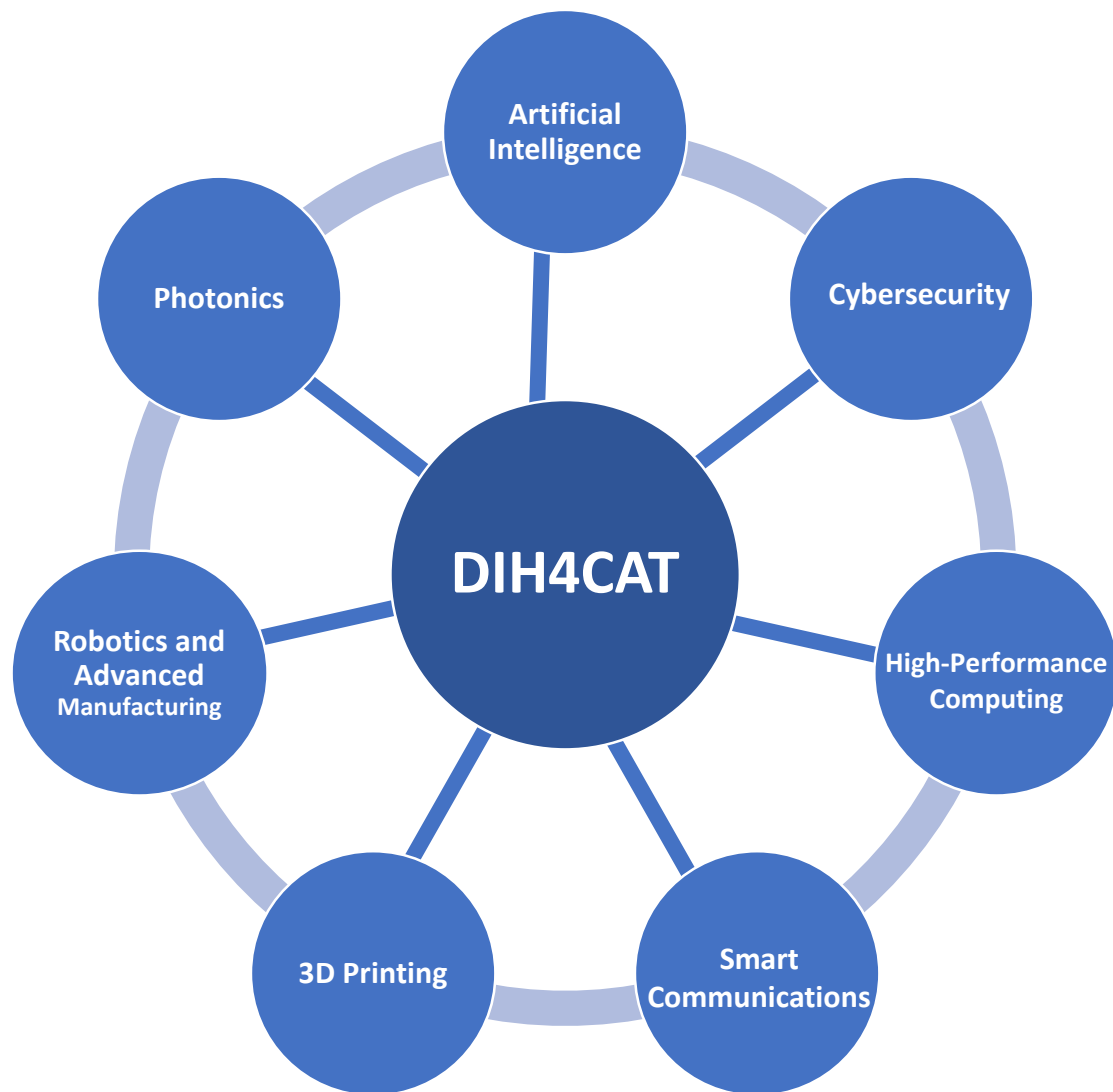
- Digitized and Connected
- Sustainable (Circular Economy)
- Healthy and integrated (Social, Health and social responsibility)

DIH4CAT is a **coordinated network of 7 digital innovation nodes** that reflect the world-class technological capabilities available in Catalonia and that have relevant volume and demand.

Each node is coordinated by an RTO or University and includes in its structure other relevant actors to offer a complete portfolio of services (technological and business side).

DIH4CAT is lead by the Government of Catalonia to guarantee neutrality and best class service for the SMEs, as well as to connect the services of the DIH with relevant innovation players at regional and international level (EEN, EDIHs, investors..).



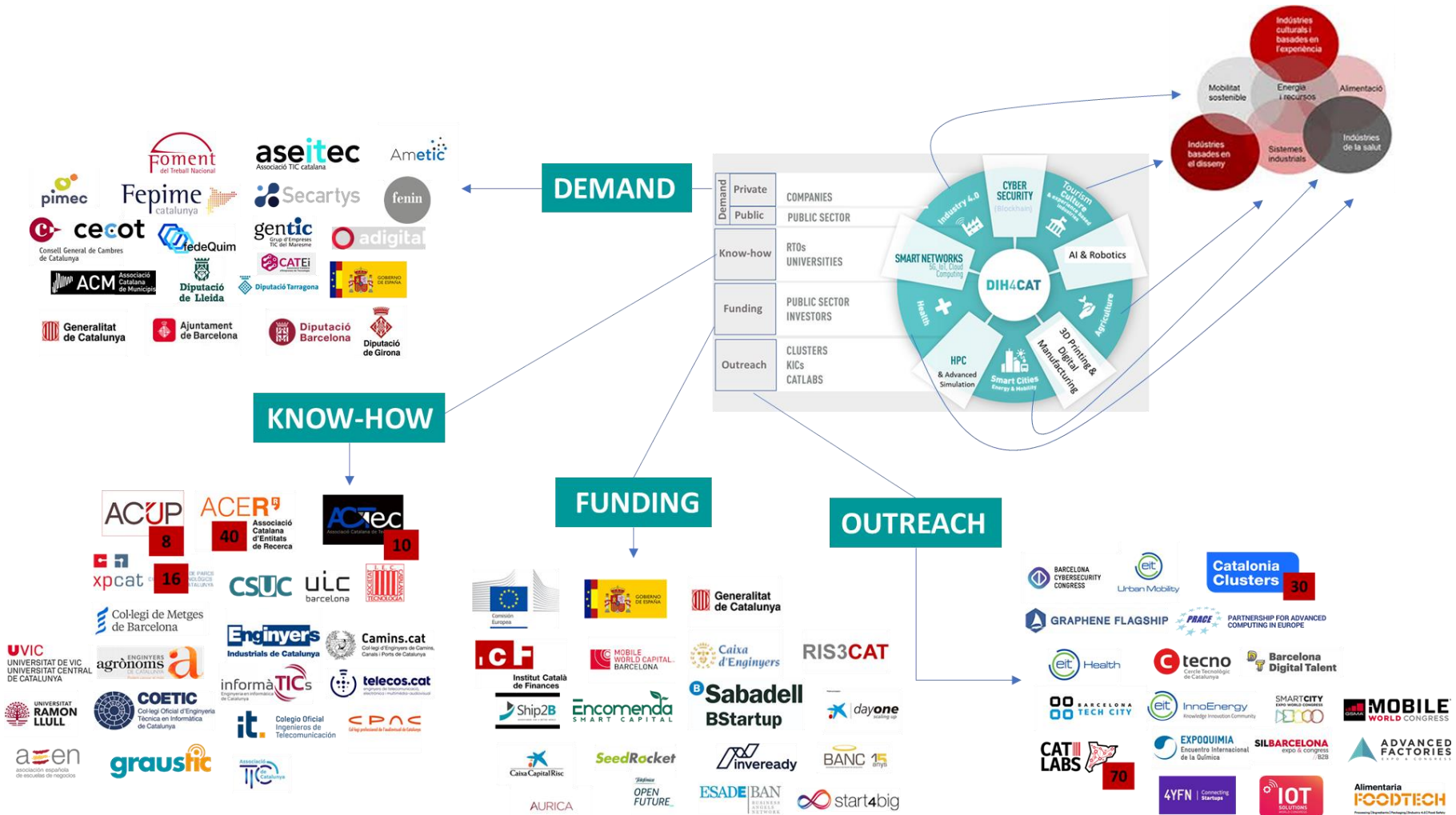


From needs to solutions

DIH4CAT is not only focused in offering advanced technologies to companies and public bodies, so it profits all previous experience form existing organizations to offer services oriented to satisfy needs and challenges previously identified by users. These services must be related to an specific knowledge area, to the combination of different digital technologies or to non-technological solutions needed to achieve the challenge.

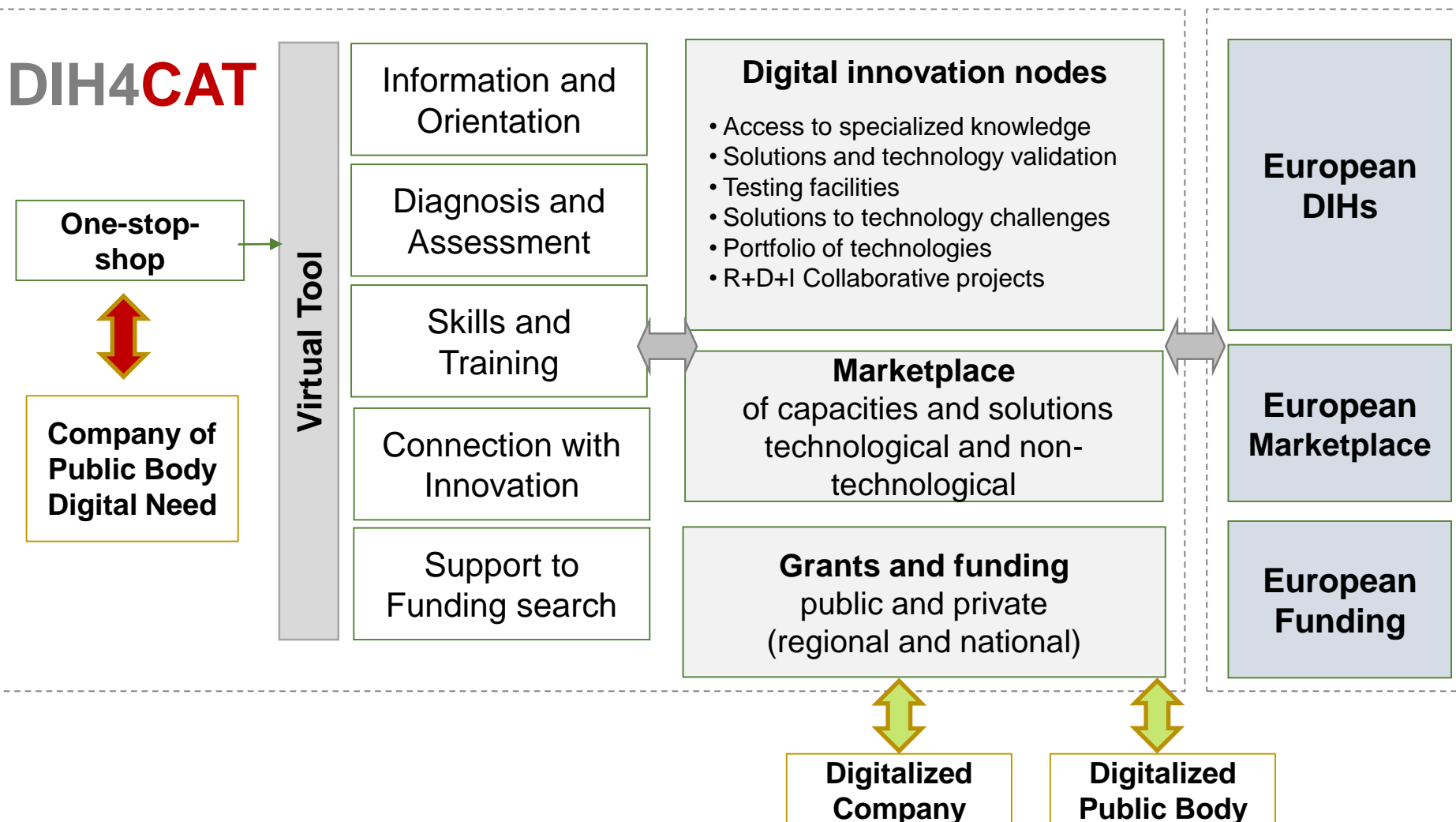
DIH4CAT

The European Digital Innovation Hub for Catalonia



DIH4CAT

The European Digital Innovation Hub for Catalonia



SERVICES YOU GET IN DIGITAL INNOVATION HUBS

Main
Services
of DIHs

1 AWARENESS & DIAGNOSIS



Get the latest information of the possibilities that digital transformation can open to your business. You may attend events, do benchmarking or go through a diagnosis process.

2 TRANSFORMATION PLAN



Perform an in-depth audit and define a transformation plan with concrete milestones and outcomes for your business through the support of experts.

3 TRAINING



Get the latest advanced digital skills through trainings, digital boost-camps, and traineeships.

4 PROTOTYPE & TEST



DIHs enable any business to test and experiment with digital innovations relevant to its products, processes or business models. Transform your digital opportunities into a physical form so that you can experience and interact with them and, in the process, learn and understand how they can add real value and be useful for your business.

5 NETWORK FOR GROWTH & FINANCE



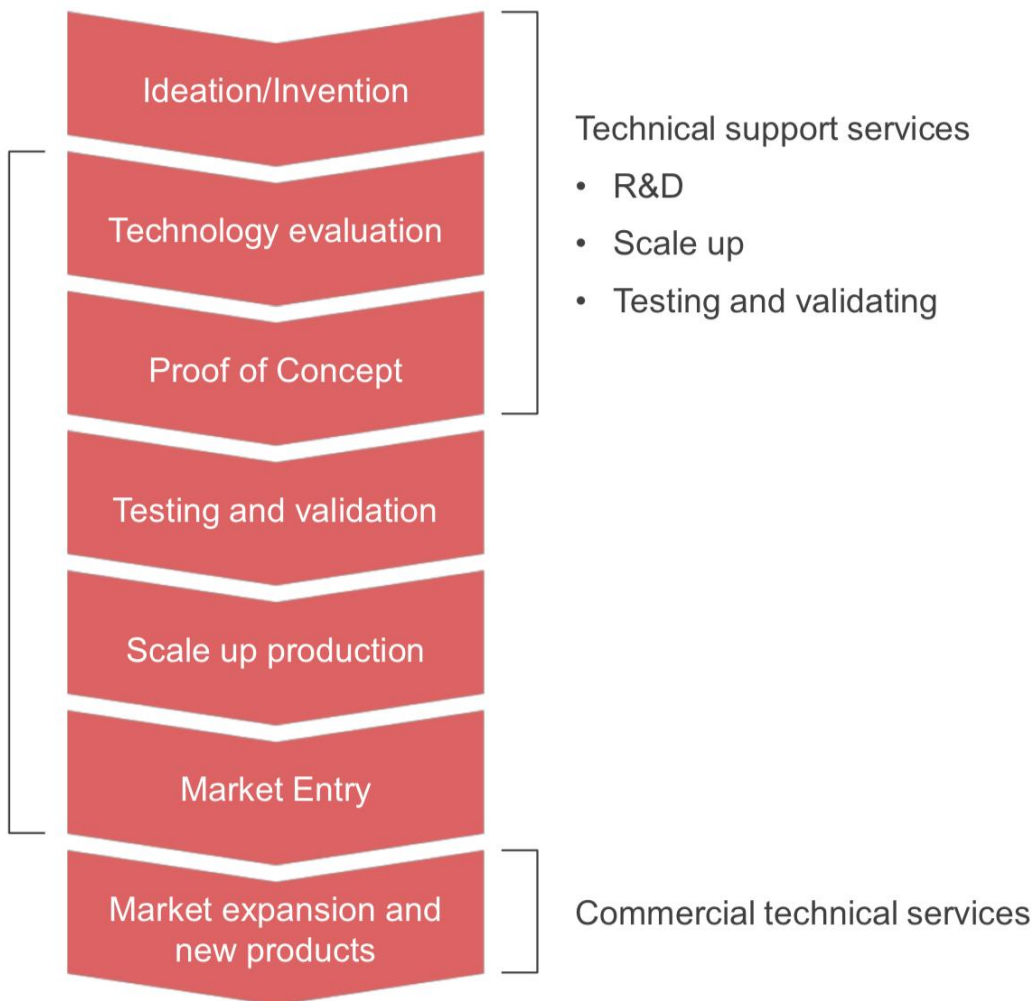
DIHs facilitate links between users and suppliers of digital innovations across the value chain. DIHs provide connections with training providers, investors and facilitate access to finance digital transformation.

Ecosystem support services
take place **along the entire**
commercialisation process

Business support services

- Raising Capital
- Education and training
- Incubation/acceleration

**Innovation
Services
of DIHs**



		DIH	DIH4CAT	
Pillar	Activities		Best practices to transfer to the DIH	Services to clients or DIH
Ecosystem	One-stop-shop			X
	Ecosystem building, scouting, brokerage, networking Collaborative Research			X
	Networking with Associations, Clusters			X
	Networking with SMEs	X		
	Events related to sectors, cross-cutting, broadening coverage			X
	Events related to specific technologies	X		
	Catalogue of services & assets	X	X	X
	Territory Diagnostic			X
	Dissemination Material		X	
	Awareness creation			X
Technology	Concept validation and prototyping	X		
	Testing and validation	X		
	Incubator support	X		
	Pre-competitive series production	X		
	Contract Research	X	X	
	Knowledge Transfer Partnerships	X	X	
Business	Business Models		X	
	Funding for DIHs	X		
	Technology Commercialisation	X	X	
	Market intelligence of sectors			X
	Market intelligence of technologies	X		
	Commercial infrastructure			X
	Visioning and Strategy Development for Businesses	X	X	
	Access to Funding and Investor Readiness Services			X
	Voice of the customer, product consortia	X	X	
	Mentoring	X	X	
	Digital Maturity Assessment	X	X	
	Consultancy	X	X	
Skills	Accelerator support	X	X	
	Education and skills development	X	X	
	Training the trainees			X

DIH4CAT

The European Digital Innovation Hub for Catalonia



Business Support on Your Doorstep



ERRIN European Regions
Research and Innovation Network

Investment and Business International Offices



Euroregió Pirineus Mediterrània
Eurorégion Pyrénées-Méditerranée
Eurorregión Pirineos Mediterráneo

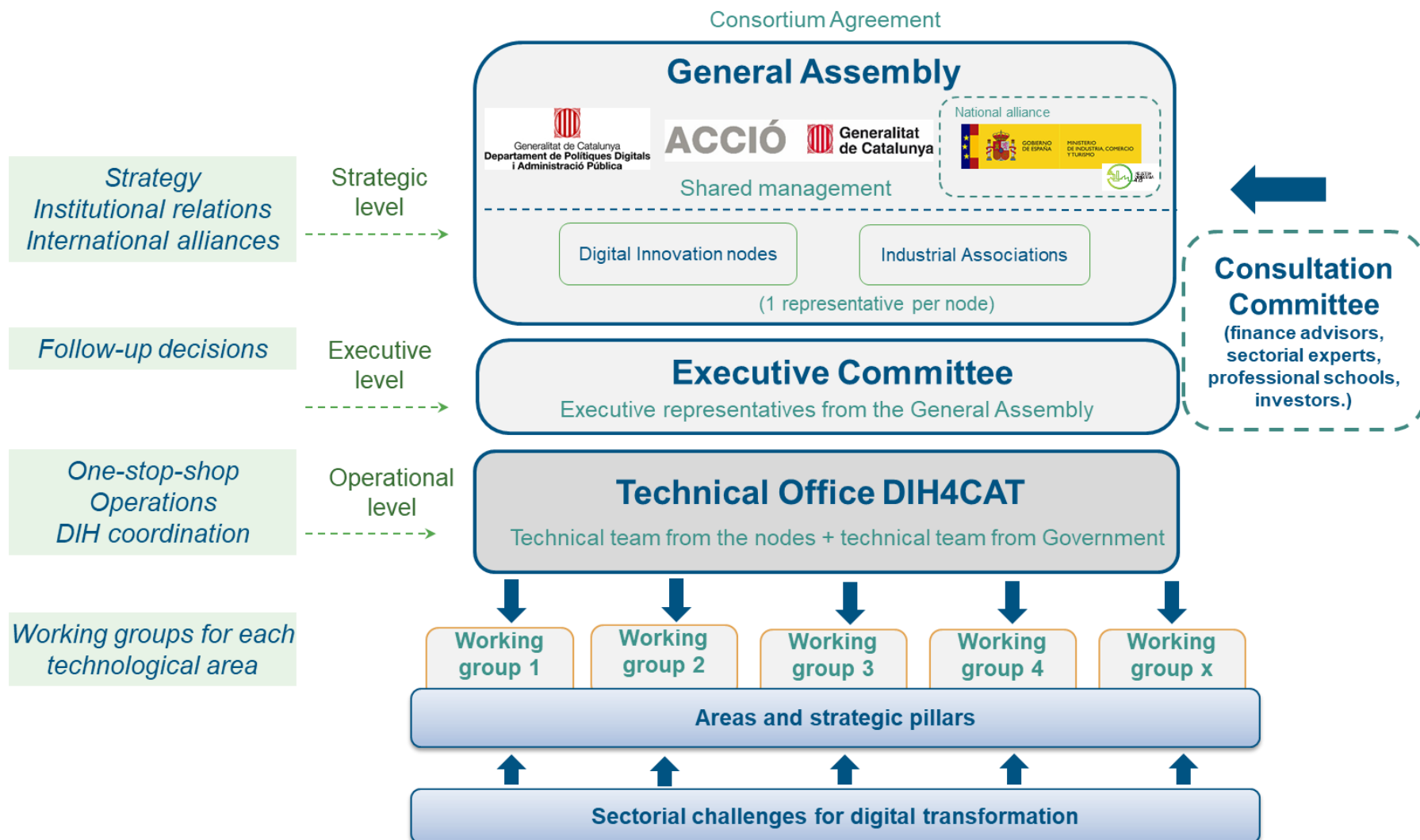


Union pour la Méditerranée
Union for the Mediterranean
الإتحاد من أجل المتوسط



DIH4CAT

The European Digital Innovation Hub for Catalonia





Thank you for your attention!

Eduard Balbuena PhD, MBA



eduard.balbuena@i2cat.net



(+34) 605 033 869



<http://smartcatalonia.gencat.cat/>



<https://twitter.com/tic>

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