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Regional mapping of the innovation stakeholders - Catalunya, Spain






4.3. SPAIN – Catalunya



4.3.1. PUBLIC AUTHORITIES


GENERALITAT DE CATALUNYA

Name of the organization	Fields/sectors covered	Legal status
<u>GENERALITAT DE CATALUNYA</u>	ICT, manufacturing/Industry 4.0, Health, Green	P
Catalan Institutional body Legislative body Management Authority of Catalan Strategies and coordinator of S3 regional strategy (RIS3CAT 2030)		P

ACCIÓ- AGENCY FOR BUSINESS COMPETITIVENESS

ACCIÓ, founded in 2008, is attached to the Ministry of Business and Labour of the Generalitat of Catalonia. It aims to promote the competitiveness and growth of the Catalan business fabric by promoting innovation, internationalization and by attracting investment.

ACCIÓ assists enterprises in the process of competitive differentiation and in the continuous search for new business opportunities. The agency also advises companies in their search for funding, helps them grow through training programmes and guides them on issues concerning clusters, among other programmes and support services. It is also responsible for attracting foreign investment to Catalonia through Catalonia Trade & Investment.

Name of the organization	Fields/sectors covered	Legal status
<u>ACCIÓ</u>	ICT, manufacturing/Industry 4.0, Health, Green	P
Assistance to SMEs in the process of competitive differentiation. Ecosystem synergies and innovation support via funding programmes. Attract foreign investment to Catalonia through Catalonia Trade & Investment.		P

LOCAL GOVERNMENTS

Catalonia is organised in 947 municipalities and “veguerias”, 41 counties (comarcas) and 4 provinces: Barcelona, Girona, Lleida and Tarragona. Barcelona is considered the most relevant innovation enabler.




Name of the organization	Fields/sectors covered	Legal status
Ajuntament de Barcelona – Barcelona Activa	Urban/ Smart city Youth entrepreneurship - ICT, Green, Industry 4.0, Health-	P
<p>Barcelona Activa is the local economic development agency of Barcelona. It focuses on promoting the following sectors considered strategic:</p> <ul style="list-style-type: none"> - Digital economy - Creative and cultural industries - Health and bio, Sports (sportstech) and Food (foodtech) - Industry 4.0 - Blue economy and green economy - Proximity economy - Visitor economy - Commerce and catering 		P



4.3.2. COLLABORATIVE BUSINESS & INNOVATION SUPPORT STRUCTURES




• CLUSTERS





Catalonia stands out for having a very successful cluster policy, which has been in operation for 30 years. Clusters play a crucial role in supporting the Catalan business fabric. Following a regional report based on Barcelona and its metropolitan area, there are 32 clusters with presence in this area that represent 54% of the total, making Barcelona one of the most powerful provinces in terms of clusters. Thus, Catalonia has over 59 clusters, 26 of which have the distinctive of “*Catalonia Clusters*” (programme promoted by ACCIÓ).

The clusters with the distinctive of “*Catalonia Clusters*”, which represent sectors such as ICT and audiovisual, water and energy, design, advanced manufacturing industry, mobility, health, and transversal industries (beauty, sport, education, and kids products) are the following:







Name of the organization	Fields/sectors covered	Legal status
<p><u>Cluster Digital de Catalunya- CLDI</u></p>	<p>ICT Verticals : Industry 4.0, Health, Cleantech.</p>	<p>PR</p>
<p>CLDI has 83 members, among which 72% are SMEs, 12% large companies, 7% universities and research centres, and 9% others.</p> <p>Ecosystem synergies and innovation support via Enterprise Europe Network, Horizon, National funded Projects, Regional funded projects.</p> <p>It is a Bronze Label cluster, it is recognised as an AEI from the Ministry of Industry, and it is part of the Catalonia's clusters programme.</p>		<p>NGO having private and public members</p>
<p><u>Cluster Audiovisual de Catalunya</u></p>	<p>ICT Verticals: culture; comm;</p>	<p>PR</p>
<p>The Catalan Audiovisual Cluster is a value network that integrates two main business segments: Entertainment & Media on the one hand, and Advertising, Communication and Events on the other. These include a long list of businesses in the fields of production, postproduction, sets, audiovisual and technology parks, distribution and exhibition (VOD platforms and festivals), production services, television, radio and podcast, immersive experiences (VR, AR, XR and holograms), video games, events and integrated systems, technology and training. They all form an interconnected value network.</p> <p>The activities and projects promoted by the Audiovisual Cluster fall into three complementary lines of work: talent, innovation and companies. Ecosystem synergies and innovation support via Enterprise Europe Network, Horizon, and national and regional funded projects.</p> <p>It is a Bronze Label cluster, and it is part of the Catalonia's clusters programme.</p>		<p>NGO having private and public members</p>
<p><u>Cluster Bioenergia de Catalunya</u></p>	<p>Energy- green</p>	<p>PR</p>
<p>The Bioenergy Cluster Catalonia is a non-profit association that represents the professional bioenergy sector in Catalonia and aims to promote the sustainable use of bioenergy in Catalonia.</p> <p>It is a Bronze Label cluster, and it is part of the Catalonia's clusters programme.</p>		<p>NGO having private and public members</p>

<p><u>Catalan Water Partnership</u></p>	<p>Energy – green- digital</p>	<p>PR</p>
<p>The CATALAN WATER PARTNERSHIP (CWP) is the Catalan Cluster of the sustainable use of water, located in the North East of Spain.</p> <p>CWP was launched in 2008, as a non-profit strategic association business oriented, formed companies and research centres that work in sector of the sustainable use of water, which mission is to improve the competitiveness of its members.</p> <p>The CWP involves consultancies, centres of knowledge, equipment manufacturers and other entities involved in the water cycle and in the solutions for the sustainable use of water.</p> <p>The CWP promotes projects and multilevel collaborations, for developing innovative & sustainable solutions to the global water needs, in any part of the world.</p> <p>CWP is part of the Catalonia Clusters program of the Generalitat de Catalunya, is recognized as an Innovative Business Group (AEI) by the Ministry of Industry and participates in the European Water Partnership. At the European level, the CWP has the Gold Label accreditation of the European Cluster Management Excellence. It is also part of the Clusters.cat network, Clusters.es, Water Europe and the European ECCP cluster platform.</p>		<p>NGO having private and public members</p>
<p><u>Cluster d’Energia Eficient- CEEC</u></p>	<p>Energy – green- digital</p>	<p>PR</p>
<p>The Energy Efficient Cluster of Catalonia (CEEC) is an entity whose purpose is to promote the field of energy efficiency through collaboration between companies and associated entities from areas such as technology, research, institutional, regulatory, industrial, informational and business. CEEC has a total of 209 members.</p> <p>Ecosystem synergies and innovation support via Enterprise Europe Network, Horizon, National funded Projects, Regional funded projects.</p> <p>It is a Bronze Label cluster, it is recognised as an AEI from the Ministry of Industry, and it is part of the Catalonia’s clusters programme.</p>		<p>NGO having private and public members</p>

<p><u>EDUTECH Cluster</u></p>	<p>educational technologies</p>	<p>PR</p>
<p>The organisation is focused on establishing connections between all the parties involved in the education system, to establish a joint framework to promote measures that enhance teaching and learning processes at all stages of education. It is recognised as an AEI from the Ministry of Industry, and it is part of the Catalonia’s clusters programme.</p>		<p>NGO having private and public members</p>
<p><u>Clúster de la Maquinària i els Mitjans de Producció Agrícola - FEMAC</u></p>	<p>Manufacturing – Industry 4.0/ green</p>	<p>PR</p>
<p>The cluster was created with the aim of fostering cooperation between its members in innovation projects for sustainable agriculture. Its philosophy is to foster and promote all the necessary expertise needed by the promoters of these technological services to bring their products and research with bonus results to the market. It is a gold Label cluster, it is recognised as an AEI from the Ministry of Industry, and it is part of the Catalonia’s clusters programme.</p>		<p>NGO having private and public members</p>
<p><u>Clúster de Materials Avançats de Catalunya- MAV</u></p>	<p>Manufacturing/ Industry 4.0</p>	<p>PR</p>
<p>The Clúster MAV is the leading cluster in advanced materials and their technologies. They are a non-profit, proactive and open association whose purpose is to make businesses and organisations in the advanced materials sector value chain more competitive, thus helping to consolidate the industry as a whole. The MAV ecosystem is synergetic; they efficiently and cohesively bring stakeholders together as a specialist production hub delivering critical support for rolling out differentiation strategies.</p> <ul style="list-style-type: none"> • They conduct innovative projects with industrial applications. • They turn ideas into high added value solutions via cooperation and collaboration. • They address challenges based on the needs of the market and end users. • They forge cross-border and cross-sector relationships which bring international reach to our partners. • They back talent by fostering cross-cutting skills and specific competences consistent with the business environment. <p>It is a Bronze Label cluster, it is recognised as an AEI from the Ministry of Industry, and it is part of the Catalonia’s clusters programme.</p>		<p>NGO having private and public members</p>

<p><u>Light Technologies cluster - Secpho</u></p>	<p>Digital</p>	<p>PR</p>
<p>Secpho is a cluster that brings together more than 146 organisations that promote technological innovation through deep tech in all sectors of our economy. They are experts in deep Tech. They are a gold Label cluster, recognised as an AEI from the Ministry of Industry, and part of the Catalonia’s clusters programme.</p>		<p>NGO having private and public members</p>
<p><u>CataloniaBio & HealthTech</u></p>	<p>Health & digital</p>	<p>PR</p>
<p>CataloniaBio & HealthTech is the organisation that represents companies in the biomedicine and health sector in Catalonia. Created in 2006 through the initiative of several entrepreneurs in the sector, CataloniaBio & HealthTech currently has over 200 member companies and knowledge stakeholders that are leaders in research, development (R&D) and innovation. One of the association’s strengths is that it reflects the transversality of the sector and helps create synergies for the future among startups and companies that develop products (biopharmaceutical, medical technology and digital health), service firms (scientific and non-scientific), investors, research centres and hospitals. It is part of the Catalonia’s clusters programme.</p>	 	<p>NGO having private and public members</p>
<p><u>Clúster de Salut Mental de Catalunya</u></p>	<p>Health</p>	<p>PR - PP</p>
<p>It promotes the development of research, the transfer of knowledge, and the creation of synergies necessary to offer the best bio-psycho-social support to people suffering from mental illness and their families. It is recognized as AEI, and it is part of Catalonia’s clusters programme.</p>		<p>NGO having private and public members</p>


In Catalonia, there are other clusters that are not part of the Catalonia’s cluster programme, but are important to BOOST target sectors:

Name of the organization	Fields/sectors covered	Legal status
<u>Solartys</u>	Cleantech	PR
<p>Solartys is a non-profit association representing the entire value chain of the solar sector. Since 2012 it has been working to promote sustainability. It is recognized as AEI.</p>		NGO having private and public members
<u>Smartech Cluster</u>	ICT Vertical: Industry 4.0	PR
<p>Smartech is a non-profit association that brings together all the players in the value chain of the home automation, smart buildings and cities sectors and the digital transformation of industry and other economic sectors.</p> <p>They work together with manufacturers, software developers, engineering companies, consultants, installers, distributors, knowledge agents, public administration and users with the aim of promoting the growth of the sector. It is recognized as AEI.</p>	 	NGO having private and public members
<u>AEPIBAL</u>	Cleantech	PR
<p>The Business Association of Batteries, Cells and Energy Storage (AEPIBAL) is a voluntary, non-profit, national business group that collaborates with the Spanish Public Administration and the Autonomous Communities in the promotion of competitiveness and the promotion of energy storage.</p>		NGO having private and public members
<u>Tech Tourism Cluster</u>	ICT	PR
<p>The ICT tourism cluster was created with the aim of bringing together companies with hybrid business models between technology and tourism, aimed at other companies or the end consumer, together with agents of the technology and knowledge ecosystem, such as universities and technology centers. It is the newest cluster in Catalonia, born at the end of 2022. At the moment, it has 55 associates.</p>		NGO having private and public members
<u>Cluster TIC SUD</u>	ICT	PR
<p>The ICT Cluster Southern Catalonia is an association driven by the public sector and led by the private sector, with the support of the Universitat Rovira i Virgili. Their main objective is to promote and contribute to the competitiveness in the value chain of the Information and Communication Technologies sector in Camp de Tarragona and Terres de l'Ebre. Currently, TIC SUD is made up of more than fifty companies.</p>		NGO having private and public members

DIGITAL INNOVATION HUBS


In 2022, the creation of 37 Digital Innovation Hubs and Centres of Excellence in Catalonia was announced. Between 2018 and 2022, a total of 109 Digital Innovation Hubs and Centres of Excellence have been created in Catalonia.




For the purposes of BOOST, we take as a reference the DIH4CAT, which since June 16th 2022 is one of the European Digital Innovation Hubs selected by the European Commission with the aim of contributing to 75% of European SMEs to carry out advanced digitization processes by 2030.

Name of the organization	Fields/sectors covered	Legal status
<u>DIH4CAT</u>	Digital	P-PR
<p>DIH4CAT is a system to connect innovative ecosystems on an international level aimed at promoting digitisation in Catalonia according to the Digital Innovation Hub model established by the European Commission.</p> <p>It is set up as a connected network of assets, infrastructures and knowledge in Catalonia, which can be accessed by industry and public institutions to obtain technological and non-technological solutions and thus accelerate the digital transformation of the Catalan industry.</p>		Public-private

FEDERATIONS / BUSINESS ASSOCIATIONS

Other associations and business organisations relevant to BOOST Project target sector:

Name of the organization	Fields/sectors covered	Legal status
<u>Ametic</u>	ICT Verticals: Industry 4.0, Cleantech.	PR
<p>AMETIC is the Association representing the digital industry sector in Spain. The size and nature of the organizations that are part of AMETIC are very varied, from SMEs to large global companies in the fields of Information Technologies, Telecommunications, Electronics Industry, Digital Services and Content, Digital Transformation, Enabling Technologies, Banking, Energy, Sustainability, etc. In addition, other associations of the sector at territorial level and technology parks are also integrated in AMETIC.</p>		NGO having private and public members

<p><u>PIMEC</u></p>	<p>Industry 4.0, Cleantech, Digital, Health</p>	<p>PR</p>
<p>PIMEC is the most representative employers' confederation representing and advocating the interests of micro, small and medium-sized enterprises (SMEs) and the self-employed of Catalonia. It participates on 300 boards and work committees with the public administrations and the most representative social agents. Moreover, it regularly expresses its opinion on public legislative and political initiatives and issues proposals to advocate and represent the interests of SMEs and the self-employed. This task is developed both in Catalonia at all levels (local, regional and autonomous community) and in the whole of Spain and Europe.</p>		<p>NGO having private and public members</p>
<p><u>FOMENT del Treball Nacional</u></p>	<p>Industry 4.0, Cleantech, Digital, Health</p>	<p>PR</p>
<p>Foment del Treball Nacional is the federation that has represented entrepreneurs and the powerful Catalan industry since 1771. As an independent, private, non-profit organization under the constitutional and legal right of association of employers, it is governed using democratic criteria for freely elected representatives.</p>		<p>PR</p>
<p><u>Secartys</u></p>	<p>ICT Verticals: Industry 4.0, Cleantech.</p>	<p>PR</p>
<p>Secartys is a non-profit business association that has been working since 1968 to promote the competitiveness of its members and to position the Spanish industry abroad. Secartys was born as an entity that offered services to import and export companies of ICT and electronics and that, in the progress of its trajectory, expanded its areas of work incorporating the Professional Audiovisual sector, the Business Association of Batteries, Batteries and Energy Storage AEPIBAL, the Lighting Cluster CICAT, the Cluster of Smart Technologies for Cities, Buildings and Industry Smartech, and the Solar Energy Cluster Solartys. Secartys has over 350 associates, distributed among its clusters. Solartys and Smartech are recognized as AEI. But only CICAT is part of the Catalonia's cluster programme.</p>		<p>NGO having private and public members</p>

<p><u>CECOT</u></p>	<p>Industry 4.0, Cleantech, Digital, Health</p>	<p>PR</p>
<p>Cecot is a multisectoral business confederation. Cecot shares values aimed at providing full member satisfaction, taking into account: The orientation to the associate; Quality; Teamwork; and Innovation.</p>		<p>NGO having private and public members</p>
<p><u>Tech Barcelona</u></p>	<p>Digital</p>	<p>PR</p>
<p>Tech Barcelona is an independent private non-profit association that works to reinforce Barcelona as a model of the international digital and technological ecosystem. They are the gateway and the platform for an active participation in the ecosystem. They create connections and make startups visible. They catalyze innovation within corporations. They promote entrepreneurship. They attract investment. They promote talent. They focus and empower the ecosystem.</p>		<p>NGO having private and public members</p>

4.3.3. BUSINESS SUPPORT STRUCTURES AND INFRASTRUCTURE



• CHAMBERS OF COMMERCE


In Catalonia there are 13 Chambers of Commerce located in Barcelona, Girona, Lleida, Manresa, Palamós, Reus, Sabadell, Sant Feliu de Guíxols, Tarragona, Tàrrrega, Terrassa, Tortosa and Valls. They all form part of the General Council of Chambers of Catalonia, whose presidency is held by the Barcelona Chamber of Commerce. For the latest reason, we consider the Chamber of Commerce of Barcelona the most important.

Name of the organization	Fields/sectors covered	Legal status
<p><u>Cámara de Comerç de Barcelona</u></p>	<p>ICT, Verticals: Industry 4.0, Cleantech.</p>	<p>P</p>
<p>The Official Chamber of Commerce, Industry, Services and Navigation of Barcelona is a public law corporation that provides services to companies, contributing to the regeneration of the economic fabric and the creation of employment, and enshrining its function of representing, promoting and defending the general interests of commerce, industry, services and navigation.</p>		<p>P</p>

• **INDUSTRIAL PARKS**




There are over 1.400 industrial parks in Catalonia, in which 44.000 companies are represented. This number represents 24% of the total for Spain, positioning Catalunya with the highest number of industrial parks in Spain (it has two industrial parks for every 10.000 inhabitants). For the BOOST project purposes, we consider the following as most relevant:

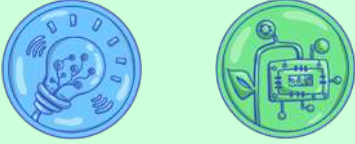

Name of the organization	Fields/sectors covered	Legal status
<p><u>Polígono Industrial Zona Franca</u></p>	<p>Health, Digital, industry 4.0, cleantech</p>	<p>P</p>
<p>Available surface area: 52.614,17 m². The Zona Franca Industrial Estate is a key element in the economic potential of Barcelona and its metropolitan area. It is the largest and most active industrial area in Spain and one of the most dynamic in Europe, with more than 300 companies installed. It is a geostrategic platform, with a privileged location, next to transport and communications infrastructures of international scope. The industrial estate is located just 7 km from Barcelona city centre and the airport, 500 m from the port, and 200 m from Can Tunis, the main freight railway station in Catalonia.</p>		<p>P</p>
<p><u>Polígonos del Eix Besòs</u></p>	<p>Industry 4.0, digital</p>	<p>P</p>
<p>The Eix Besòs industrial parks are a group of areas of industrial and economic activity covering 162 hectares on the right bank of the Besòs River, between the municipalities of Barcelona (Sant Andreu district and Sant Martí district) and Sant Adrià de Besòs. Industrial activity includes manufacturing industries but also a range of companies in other areas that provide services, such as logistics, product handling, packaging and technology associated with industrial products. The industrial parks of the Eix Besòs are the following:</p> <ul style="list-style-type: none"> - Bon Pastor (Districte de Sant Andreu, Barcelona) - Torrent de l'Estadella (District of Sant Andreu, Barcelona) - La Verneda Industrial (Districte de Sant Martí, Barcelona) - La Verneda (Sant Adrià de Besòs) - Monsolís (shared between Sant Adrià de Besòs and the Districte de Sant Andreu, Barcelona) 		<p>P</p>



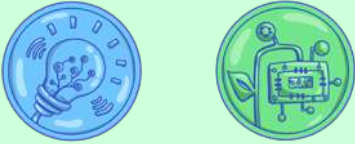
<u>Polígono industrial Congost</u>	Industry 4.0, digital	P
<p>The Congost Industrial Park is located 2km from the centre of Granollers.</p> <p>Available surface area: 90,76Ha.</p> <p>The industrial park was first developed in 1973 but was renovated in 2009. In 2019 it was awarded the Quality Mark certificate granted by CEPE, the Spanish Coordination of Business Parks.</p>		P

SCIENCE & TECHNOLOGY PARKS




Name of the organization	Fields/sectors covered	Legal status
<u>Biomedical Research Park</u>	Health	P
<p>The Barcelona Biomedical Research Park (PRBB) is the leading biomedical research in southern Europe. It is an inspiring environment for life sciences and biomedical research. This large scientific infrastructure brings together several research centres and a critical mass of researchers in various fields. Its international community of residents has access to a range of cutting-edge scientific and technical services under one roof and is connected to a university hospital, the Hospital del Mar.</p> <p>With the vision of providing the best environment for excellent biomedical research, they respond to the needs and challenges of the centres. The PRBB has been committed to its scientific community since 2006, when it was inaugurated by its promoters, the Generalitat de Catalunya, the Barcelona City Council and the Universitat Pompeu Fabra (UPF).</p>		P




<p><u>Parc científic de Barcelona</u></p>	<p>Health, Digital</p>	<p>P</p>
<p>The Parc Científic de Barcelona is one of Europe’s model ecosystems in research, technology transfer and innovation, covering a built-up surface area of more than 100,000 m² with some 3,000 professionals working mainly in the health sector: pharmacology, biotechnology, medical technologies, food and cosmetics.</p> <p>Located in Barcelona, the Park features more than 30,000 m² of laboratory and office space that it leases out, coupled with an extensive range of scientific services on offer in the domain of the life sciences. The Park was built by the University of Barcelona in 1997, becoming the first science Park in Spain.</p> <p>It is home to 4 research institutes, more than 50 companies, a biotechnology business incubator, more than 70 research groups and a wide range of technological support for research.</p> <p>Its mission is to promote research, knowledge transfer and innovation in the public and private sectors, through intelligent space management, technology offer and the promotion of liaison and dialogue with the PCB community.</p>		<p>P</p>
<p><u>Parc Científic de la Universitat de Girona</u></p>	<p>Health, Digital</p>	<p>P</p>
<p>The ParcUdG is a driving force for the economy and the generation of business talent. It is a space for collaboration, an environment that supports research, development and innovation in all areas, especially those related to information technologies and medical and biotechnological research.</p>		<p>P</p>
<p><u>Parc Tecnològic de Barcelona Activa</u></p>	<p>Digital</p>	<p>P</p>
<p>Located in the district of Nuevo Barrios and managed by Barcelona Activa, the Technology Park is specifically designed to help technology companies.</p> <p>Since 1995, linked to technology and business, the Technology Park works with 3 general objectives:</p> <ol style="list-style-type: none"> 1. Promoting the responsible growth of companies 2. Promotion of business innovation 3. Development of talent linked to technology <p>Overall, the Barcelona Activa Technology Park hosts 45 companies and more than 100 innovation-related events annually and is open to serve all technology-based companies in Barcelona.</p>		<p>P</p>




<u>Parc Mediterrani de la tecnologia</u>	Digital, Cleantech	P
<p>The Mediterranean Technology Park (PMT) is a science and technology park promoted by the Government of Catalonia, the Baix Llobregat Regional Council, Castelldefels Town Council and the Technical University of Catalonia.</p> <p>The Mediterranean Technology Park has the following main objectives:</p> <p>To promote and facilitate research.</p> <p>To facilitate contact and collaboration between universities and companies and to disseminate the results of university research to society.</p> <p>To create technologically innovative companies.</p> <p>Stimulate the culture of quality, research and innovation among the institutions of the park and among the companies that are linked to it.</p> <p>To contribute, through technological improvement and innovation, to improving the competitiveness of companies</p>		P
<u>Parc Tecnològic del Vallès</u>	Digital	P
<p>The Parc Tecnològic del Vallès is a company that manages the technological area around Cerdanyola del Vallès. The PTV offers services for the companies who establish there and promotes innovation and technological research.</p> <p>The company was established in 1987 by the CIDEM (Business Development and Innovation Centre, currently ACCIÓ) of Regional Government and the Consortium of the Zona Franca of Barcelona. The first companies established there in 1989.</p> <p>It currently offers areas for new companies or work centres, from co-working rooms to industrial areas, as well as rental of equipment and rooms for conventions, events, meetings and training.</p> <p>Its general objectives are:</p> <ol style="list-style-type: none"> 1. Generate synergies between companies and institutions. 2. Provide quality services that improve companies' competitiveness. 3. Encourage the proximity of companies with the sources of knowledge. 4. Encourage new business projects with technological content. 		P



<p><u>Parc de Recerca UAB</u></p>	<p>Health, Cleantech, Digital</p>	<p>P</p>
<p>The UAB Research Park (PRUAB) is a non-profit foundation created in 2007 by the Universitat Autònoma de Barcelona (UAB), the Spanish National Research Council (CSIC) and the Institute of Agri-Food Research and Technology (IRTA). Its mission is to promote and improve the technology and knowledge transfer activities of its members, to promote entrepreneurial activity through the creation of new research-based companies and, in general, to facilitate interaction between research, the business world and society.</p> <p>The UAB Research Park serves UAB departments and research groups, as well as the centres and institutes located on the Bellaterra campus. All of them carry out their activity around six basic thematic areas: Biotechnology and Biomedicine; Food Technology and Animal Health; Materials Science and Energy (nanotechnology and microelectronics), Information and Communication Technologies; Social Sciences and Humanities; and Environment and Climate Change.</p>		<p>P</p>
<p><u>Tecno Parc- Redessa</u></p>	<p>Digital, Health</p>	<p>P</p>
<p>The Technology and Innovation Park is managed by the municipal company REDESSA and covers an area of 165 hectares. It is focused on the ICT, agri-food, health and tourism sectors. 1,300 professionals work there, as well as 50 technology companies, start-ups and spin-offs.</p>		<p>P</p>
<p><u>ALBA synchrotron</u></p>	<p>Digital, cleantech</p>	<p>P</p>
<p>Barcelona Synchrotron Park offers more than 70,000 m2 of land specially adapted to house Data Centres:</p> <ul style="list-style-type: none"> • First-level electric infrastructure • Top-quality telecommunications infrastructure (7 operators with own networks and different access points) • Clean ambient air and quite fresh and dry climate compatible with free-cooling technologies • Minimal risks (flooding, earthquakes, fires, theft) • Minimal energy costs (outsourced cold production plants) 		<p>P</p>

• **BUSINESS INCUBATORS & BUSINESS ACCELERATORS**

Name of the organization	Fields/sectors covered	Legal status
<p><u>La Salle Technova</u></p>	<p>Digital</p>	<p>P</p>
<p>It is one of the most important technology business incubators in Europe.</p> <p>La Salle Technova Barcelona is the Innovation Park of La Salle - Ramon Llull University of Barcelona, which promotes technology-based entrepreneurship and acts as a hub connecting startups, investors and corporations in the framework of an entrepreneurial university. It offers incubation, pre-acceleration, acceleration, investment, Open Innovation and Startup Landing services, combining the talent, technology and funding of the La Salle Ecosystem.</p> <p>During its 22 years of life, it has incubated and accelerated more than 1,087 business projects and has helped to obtain more than 52 million in funding.</p>		<p>P</p>
<p><u>Barcelona Ventures</u></p>	<p>Digital</p>	<p>PR</p>
<p>Their goal is to help startups, those based in Spain and the rest of Europe, to learn from Silicon Valley startups, scale their business globally, and attract investors. The startups who join them leverage on their network of mentors, investors, business leaders, and industry insiders.</p> <p>They are looking for early-stage and top-class founders attacking large, global markets and solving real problems using technology to join their Accelerator Program so they can help them grow and succeed.</p>		<p>PR</p>
<p><u>SHIP2B</u></p>	<p>Digital</p>	<p>PR</p>
<p>Ship2B Foundation's mission is to boost Impact Economy, an economic model in which the main purpose for startups, businesses, investors and organisations is not only to maximise profitability, but also to improve their social and environmental impact.</p> <p>Ship2Be accelerator/ incubator program focuses on providing mentorship and training to participating startups. The successful startups receive funding of up to €4 Million and access to a network of investors.</p>		<p>PR</p>


<u>ITNIG</u>	Digital	PR
<p>Itnig invests in early-stage startups. They provide an early-stage investment fund and coworking space, as well as a niche media outlet aimed at building and helping startups build scalable products and services. Ideally, Itnig aims at leading high-growth businesses and building an independent ecosystem where the startups and teams collaborate, become stronger, and grow faster.</p> <p>They invest up to €100K per company and offer their support without getting in the way. Ideally, they focus on understanding the market opportunities and making sure they fully align with the team.</p>		PR
<u>Connector Accelerator</u>	Digital	PR
<p>Connector accelerator program helps entrepreneurs improve their skills, expand their knowledge and compete effectively. The startup accelerator program provides startup founders and entrepreneurs access to top-level and prestigious mentors that help them develop their business plans as well as to provide connections to funding opportunities.</p> <p>The startups accelerated through their program receive a wide range of benefits valued at more than €400K.</p> <p>The startups work with a board of mentors, who provide ongoing education and training. The mentors and connector become partners of the startup, with the equity percentage depending on the situation of the startup but cannot be more than 10% equity in total.</p>		PR
<u>Intelectium Funding Accelerator</u>	Digital	PR
<p>Intelectium is a seed-stage and Series A incubator. Their startup incubator program focuses on helping startups to develop a business plan and to get products/services to the market.</p> <p>They target technology-focused startups and help them to raise financing from investors. Besides, when a startup arouses their interest, they help raise financing rounds from €100K to €6.0Million.</p> <p>The startup accelerator program focuses on adding value and helping the startups avoid any possible mistakes that could be barriers to the entry of new investors. They work with passionate entrepreneurs who are capable of spreading their enthusiasm to all those who are needed to be attracted to become their idea in success.</p>		PR

<p><u>Seed Rocket</u></p>	<p>Digital</p>	<p>PR</p>
<p>SeedRocket Accelerator program offers startups a common workplace where founders and entrepreneurs have the opportunity to exchange ideas. The startup incubator program focuses on enhancing synergies by providing and facilitating an environment where founders and entrepreneurs can meet and exchange ideas.</p> <p>The accelerator/incubator program offers space and supports the winning projects by providing an opportunity to meet successful business leaders. For startups, the SeedRocket program is all about locating working spaces where they can share ideas and experiences with others in a similar situation.</p> <p>The program includes a series of training programs based on the needs of each startup. To be selected for this program, the startup founders must demonstrate an innovative technology program that is in the initial phase.</p>		<p>PR</p>
<p><u>MOEBIO</u></p>	<p>Digital, Health</p>	<p>PR</p>
<p>Moebio brings together startup accelerator programs targeting technology, biosciences, health, and business management sectors. Their accelerator programs focus on developing future entrepreneurs and leaders in healthcare innovation.</p> <p>In addition, the program aims at empowering researchers and entrepreneurs with the mindset, skillset, and access to a network of entrepreneurs.</p>		<p>PR</p>
<p><u>IQS Tech Factory</u></p>	<p>Digital</p>	<p>PR</p>
<p>IQS Tech Factory runs accelerator and incubator programs that focus on helping to build the next generation of industrial companies.</p> <p>The Accelerator programs support new ventures that have science and technology at their core. Ideally, they promote industrial innovations and entrepreneurship through a series of mentorship and training sessions like IQS Tech Fast and connecting innovative startups with established industrial companies.</p>		<p>PR</p>

<u>Esade EWORKS ACCELERATOR</u>	Digital	PR
<p>The EWorks Accelerator at ESADE is a global intensive program aimed at identifying and supporting high-growth ideas.</p> <p>Esade has a broad offering of entrepreneurship and eWorks complements all the non-academic, hand-on content.</p> <p>From inspiration to execution, finding the right team, connecting with fellow entrepreneurs and scaling your startup, eWorks has services available for each startup stage.</p>		PR
<u>Peninsula Open Innovation</u>	Digital	PR
<p>They are an open innovation consultancy where they help corporations to accelerate their innovation processes through startups and Lean Startup methodologies, which allow corporations to benefit from the speed, flexibility, technology and market adaptability of these agents.</p>		PR



• **HUBS & CO-WORKING SPACES**





Some of the venture companies provide co-working spaces. This is the case of 101 Startups, BCombinator or ITNIG (cf. below in “private fund” section). There are other more such as:

Name of the organization	Fields/sectors covered	Legal status
<u>The Hub</u>	All	PR
<p>The Hub Space is an inspiring space located in Sant Cugat, a city committed to knowledge and innovation. A work centre where the companies can boost their business and their creativity.</p>		PR

<u>Impact Hub- BARCELONA</u>	All	PR
A space with all the services the companies need to connect and boost their project: An open coworking space, events and meeting rooms, shared areas to relax, chat and recharge energies and a cantina connected to a terrace where to relax, enjoy the sun or receive companies' visitors.		PR
<u>Talent Garden Barcelona</u>	Digital	PR
Talent Garden Barcelona, opened in March of 2015, is a coworking space for talented individuals in the digital, tech and creative industry. TAG Barcelona is the first campus in Spain and part of an international network of multiple campuses across Europe and the United States.		PR
<u>PIER01, Barcelona Tech City</u>	Digital	PR
It is part of Barcelona Tech City, which is a private non-profit organisation open to all Barcelona-based members of the local and global technology ecosystem.		PR




• **PRIVATE FUND (ORGANISATIONS) FOR STARTUPS - Business angels and venture investment companies**





Name of the organization	Fields/sectors covered	Legal status
<u>101 StartUps</u>		PR
101 startups invest in early-stage companies that focus on minimum viable and functional products. They focus on startups within the Gaming, Blockchain, Security, Insurtech, eHealth, Fintech, Big data, Internet of Things, and mobile sectors.		PR
<u>BStartup - SABADELL BANC</u>	Digital	PR
Startup Program is a Banco Sabadell initiative that focuses on supporting young companies in developing their projects while ensuring maximum success guarantee. The program targets early-stage and seed-stage startups within the SaaS, Mobile Apps, e-Commerce, Bigdata, IoT, and e-health sectors.		PR




<p><u>GoHub</u></p>	<p>Digital</p>	<p>PR</p>
<p>They invest in B2B SaaS solutions to improve process automation. They are committed to technologies based on advanced engineering: applied AI, IOT, augmented reality, edge computing, 5G, No Code, cybersecurity, quantum. They identify and support entrepreneurs in the sectors they understand best and where they provide differential value.</p>		<p>PR</p>
<p><u>BCombinator</u></p>	<p>Digital</p>	<p>PR</p>
<p>Bcombinator is a startup incubator that invests in and offers coworking space to freshly formed businesses.</p>		<p>PR</p>
<p><u>H2AVentures</u></p>	<p>Digital</p>	<p>PR</p>
<p>H2Aventures promotes: - Founding and co-founding of companies, with a leading position in the project's development. - they provide assistance and support for your business' growth. They work with operational companies who are seeking support to expand their e-business, but currently have no presence in Spain or Latin America. - Early stage seed financing for digital projects.</p>		<p>PR</p>
<p><u>BANC- BUSINESS ANGELS NETWORK CATALUÑA</u></p>	<p>Health, Digital, industry 4.0, cleantech</p>	<p>PR</p>
<p>BANC was the first Catalan and Spanish private Business Angels Network. The organization was founded by the CECOT employers union and Autoocupació foundation, with the collaboration of ICF (Institut Català de Finances). BANC belongs to the XIP (Xarxa d'Inversors Privats d'Acció), it is a member of the Spanish Association of Business Angels Networks (AEBAN) and the European Business Angels Network (EBAN). BANC is the main promoter in Spain for the Global Business Angels Network (GBAN).</p>		<p>PR</p>




4.3.4. RESEARCH & TECHNOLOGY TRANSFER ENTITIES

• UNIVERSITIES

Name of the organization	Fields/sectors covered	Legal status
<p><u>Universitat Pompeu Fabra (UPF)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The UPF was created in 1990 by the Generalitat de Catalunya with the aim of establishing a public university focused on academic excellence and contributing to the development of the country. In order to achieve this goal, the UPF has developed over the years with strict quality criteria in all its activities and has configured a model of urban university closely linked to the city of Barcelona. Academically, it is among the top 2000 in the world according to the THE (Times Higher Education) Academic Ranking of Universities, and is one of the seven fastest progressing young universities in the world.</p>		<p>P</p>
<p><u>Universitat de Barcelona (UB)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The UB is a public university based in Barcelona, it was founded in 1450 and is considered one of the oldest universities in Spain. It is the university with the largest higher education area in Catalonia, and is the leader in terms of student numbers, teaching, research and innovation. It is sometimes called the Central University to distinguish it from the other universities in the city. According to most international rankings, the UB is the best Spanish university and is one of the 50 best in Europe.</p>		<p>P</p>
<p><u>Universitat Politècnica de Catalunya (UPC)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The UPC is a Spanish public university of the Generalitat de Catalunya, specialising in the fields of engineering, architecture and science. Founded in 1971 as the Polytechnic University of Barcelona, it changed its name to the current one in 1984. At national level, the UPC leads most international rankings in the fields of engineering, computer science, architecture and mathematics. Overall, it ranks seventh among Spanish universities according to the CSIC webometric ranking (January 2020), tenth in the Times Higher Education list, and eighth in the QS World University Rankings 2020.</p>		<p>P</p>


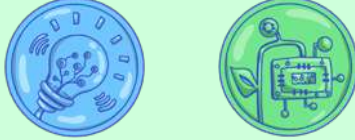
<p><u>Universitat Autònoma de Barcelona (UAB)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The UAB is a public university in Spain, founded in 1968. Most of its teaching centres and extra-academic services are located on the Bellaterra Campus.</p> <p>The UAB is the best university in Spain according to the 2023 QS World University Rankings, which ranked the university 178th overall in the world. Its subject rankings were: 27th in Veterinary Science, 72nd in Education & Training, 73rd in Linguistics, 78th in Sociology and 88th in Economics & Econometrics.</p>		<p>P</p>
<p><u>Universitat de Vic (UVIC)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>PP</p>
<p>The University of Vic is a Catalan university with premises in Vic, Manresa and Granollers. It is a privately managed institution, under public supervision through its proprietor, the Balmes University Foundation, whose chair is the Mayor of Vic. UVic is a higher education and research centre. It was recognised as a university in 1997, fruit of the fusion of several centres in Vic affiliated to other universities.</p>		<p>PP</p>
<p><u>Universitat Ramón Llull (URL)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>PR</p>
<p>The URL is a private university located in Barcelona, and it was founded in 1990. Universitat Ramon Llull is ranked 966 in Best Global Universities. Since its constitution, the URL has had a federation structure that strengthens the personality of its member centres. Throughout its years of existence, the Ramon Llull University has progressively extended its activities and has gradually integrated new federated institutions. URL is currently made up of 8 higher education and research institutions and 1 affiliated centre.</p>		<p>PR</p>
<p><u>Universitat Internacional de Catalunya (UIC)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>PR</p>
<p>The UIC is a private university based in Barcelona. It has two campuses, one in Barcelona and the other in San Cugat del Vallés. It currently has more than 6000 students in the 15 bachelor's degrees, 26 international double degrees and master's, postgraduate and lifelong learning programmes it offers.</p>		<p>PR</p>

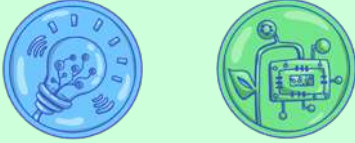

<p><u>Universitat Rovira i Virgili (URV)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The University of Rovira I Virgili (URV) is a nationally and internationally recognized teaching and research institution with centers in Tarragona, Reus, Vila-Seca, Tortosa, and El Vendrell. In 2018 and 2019 it was ranked the 78th World’s Best Young University with less than 50 years (Times Higher Education World University Rankings). In 2020 it was ranked within the top 200 world’s universities by the Times Higher Education 2020 ranking, which recognizes universities for their social and economic impact based on 17 United Nations Sustainable Development Goals. At Spanish level, in 2017 URV was ranked the 4th in publication production by faculty number, and the 7th with Highly Cited Papers by faculty number. In 2014 URV obtained the HR Excellence in Research award by the EC, renewed in 2017.</p>		<p>P</p>
<p><u>Universitat de Girona - UdG</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The UdG is a public university located in Girona, Catalonia. It was recognised as a university in 1997, the result of the merger of several university study centres in Girona attached to other universities. The UdG is part of a strategic alliance with the University of the Balearic Islands, the University of Perpignan, the Pierre and Marie Curie University and the University of Lleida to form the “Centre for Research and Higher Education-Pyrenees-Mediterranean Pyrenees”. In addition, together with the University of the Balearic Islands, the Spanish National Research Council and the Catalan Institute for Water Research, it is promoting the Euro-Mediterranean Campus for Tourism and Water (e-MTA), which in 2011 was awarded the distinction of Campus of International Excellence.</p>		<p>P</p>
<p><u>Universitat de Lleida (UDL)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>UDL is a public university based in Lleida. The UdL has seven of its own university centres and four affiliated centres spread across its campuses. It was the first university founded in Catalonia and in the ancient Crown of Aragon. It was founded in 1300, using the name of Estudi General de Lleida. It was reestablished on December 12, 1991, after a lapse of three hundred years, by the Catalan Parliament.</p>		<p>P</p>

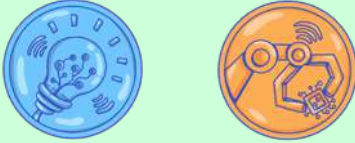


<p><u>Universitat Abat Oliba - CEU</u></p>	<p>Digital, Health</p>	<p>PR</p>
<p>The Abat Oliba CEU University is a private university located in Barcelona. It was founded in 1973 as the Abat Oliba College. In 2003, the Parliament of Catalonia approved its conversion to Abat Oliba CEU University.</p>		<p>PR</p>
<p><u>Universitat Oberta de Catalunya (UOC)</u></p>	<p>Digital</p>	<p>PR</p>
<p>The Open University of Catalonia is a private open university based in Barcelona, Spain. The UOC offers graduate and postgraduate programs in Catalan, Spanish and English in fields such as Psychology, Computer Science, Sciences of Education, Information and Knowledge Society, and Economics. Also, an Information and Knowledge Society Doctoral Program is available that explores research fields such as e-law, e-learning, network society, education, and online communities.</p>		<p>PR</p>
<p><u>Universitat Nacional d'Educació a distàcia (UNED)</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The UNED is a distance learning and research university founded in 1972 and it is the only university run by the central government of Spain. It has headquarters in Madrid, with campuses in all Spanish autonomous communities, including Catalonia. The UNED is characterised by offering a blended distance education modality, based on new technologies and traditional systems through the following means: virtual courses on the Internet (forums, videoconferences, web conferences, virtual blackboard, laboratories, etc.), reference books in their field, lecturers' notes, in combination with face-to-face or virtual tutorials.</p>		<p>P</p>



• **RESEARCH ACADEMIES and RESEARCH INSTITUTES / Centres**



For the purpose of this deliverable and BOOST project, we take under consideration the research academies and technology centres that have been awarded with the TECNIO accreditation, which certifies the most qualified suppliers (both public and private) for developing and providing innovative as well as differential technology to businesses. There are a total of 84 accredited centres, being the most relevant the following:



Name of the organization	Fields/sectors covered	Legal status
<p>Eurecat</p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>PR</p>
<p>Eurecat, Technology Centre of Catalonia, promotes, through applied research and innovation, the competitiveness of companies and the welfare of society. It is the leading technology centre in Catalonia and the second private organisation in Spain in terms of attracting European funds.</p> <p>Eurecat targets all business sectors, but especially seven major strategic areas: Food, Energy and resources, Industrial systems, Design-based industries, Sustainable mobility-related industries, Health industries and Cultural and experience-based industries.</p>		<p>PR</p>
<p>CITCEA-UPC</p>	<p>Digital, CleanTech</p>	<p>P</p>
<p>CITCEA-UPC is a research and innovation centre in the area of electrical engineering and industrial electronics. Belongs to the Universitat Politècnica de Catalunya, BarcelonaTech, and is part of the TECNIO network from ACCIO, Generalitat de Catalunya and it is recognized by AGAUR, Generalitat de Catalunya, as a Research Group. It was founded in 2001. Its capabilities range from power electronics-based equipment for power generation, transportation, distribution and use of electrical energy to energy efficiency, energy management systems using optimization techniques, machine learning and artificial intelligence. CITCEA-UPC also offers specialized training services for professionals in their field of competence.</p>		<p>P</p>





<p><u>SARTI</u></p>	<p>Digital, CleanTech</p>	<p>P</p>
<p>SARTI is a research group, made up of staff from different departments of the UPC, whose thematic area of activity is the scientific and technological development of equipment and systems for remote data acquisition and processing, with emphasis on virtual and oceanographic instrumentation, including simulation methods and statistical analysis and, making use of cutting-edge techniques in electronic design, transferring all this knowledge to industry.</p> <p>The main objectives are:</p> <ol style="list-style-type: none"> 1. Transfer of technology oriented to the business fabric. 2. Training in advanced instrumentation control techniques. 3. Design of distributed instrumentation and information systems for the control of industrial processes and the environment. 4. Consultancy, carrying out studies and providing services to companies and administrations. 		<p>P</p>
<p><u>Centre de Desenvolupament Tecnològic de Vic-BETA</u></p>	<p>CleanTech</p>	<p>P</p>
<p>The Centre de Desenvolupament Tecnològic de Vic (CDT) is a technology center and its main objective is to promote the technological development of companies and organizations in the region, with a focus on innovation and competitiveness. The CDT provides a wide range of services, including R&D projects, technological consulting, training, and technology transfer. The center also collaborates with universities and research centers to promote research and innovation in various fields, such as biotechnology, energy, and information and communication technologies. The CDT is committed to promoting sustainable development and social responsibility, and it aims to contribute to the economic and social development of the region.</p>		<p>P</p>

<p><u>Institut de robòtica i informàtica industrial (IRI)</u></p>	<p>Digital, Industry 4.0</p>	<p>P</p>
<p>The Institut de Robòtica i Informàtica Industrial (IRI) is a research institute located in Barcelona, Spain, dedicated to advancing the fields of robotics and industrial computing. The institute focuses on research and development projects in areas such as robotic perception and control, human-robot interaction, computer vision, and machine learning. IRI also collaborates with industry partners to develop innovative technologies and to transfer knowledge to the industry.</p> <p>The research carried out at IRI has many practical applications, ranging from automation in manufacturing and logistics to healthcare and assistive robotics. The institute is affiliated with the Universitat Politècnica de Catalunya (UPC) and the Spanish National Research Council (CSIC).</p>		<p>P</p>
<p><u>Leitat Technological Center</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>PR</p>
<p>Leitat Technological Center is a private non-profit technology institute based in Spain that aims to drive technological innovation and research across various sectors, including energy, environment, health, and materials. Leitat is recognized as a key player in the European research and innovation ecosystem and is involved in numerous national and international research projects. Leitat focuses on developing new technologies, products, and services that promote sustainable and responsible economic growth.</p>		<p>PR</p>
<p><u>Centre for Industrial Technological Development (CDTI) - Regional Delegation of Catalonia</u></p>	<p>Digital, Health, industry 4.0, CleanTech</p>	<p>P</p>
<p>The Centre for Industrial Technological Development (CDTI) is a public entity in Spain that promotes technological innovation and research across various industries. The Regional Delegation of Catalonia is one of the branches of the CDTI that serves the Catalan region. Its main objective is to promote R&D projects, technology transfer, and international cooperation initiatives to help companies in Catalonia to develop innovative products and services. The delegation also provides funding and support to companies, universities, and research centers to drive technological innovation and competitiveness in the region.</p>		<p>P</p>

<u>inLab FIB UPC</u>	Digital	P
<p>inLab FIB UPC is the innovation and research laboratory of the Faculty of Informatics of Barcelona of the UPC with a track record of more than 40 years of collaboration with entities and companies. It is made up of 70 people including teachers, technical staff and students. In 2013 the esCERT-UPC team joined the inLab contributing their knowledge and experience in the field of Computer Security.</p> <p>Its mission is to innovate and transfer knowledge to society in the field of ICT, through the development of human talent and the realization of multidisciplinary R+D+I projects, especially in topics related to Data Science and Big Data; Smart Mobility; the Knowledge and Service Engineering; Cybersecurity; Modelling, Simulation and Optimization; and ICT Environments and Services to Support Learning.</p>		P
<u>BCN MedTech</u>	Health	P
<p>BCN MedTech-UPF is a joint initiative between BCN MedTech and the Pompeu Fabra University (UPF) in Barcelona, Spain. This collaboration aims to leverage the expertise of both entities in the development of innovative medical technologies. BCN MedTech-UPF focuses on research and development of new medical devices and technologies, with a particular emphasis on the fields of neurology and oncology. The initiative combines the technological knowledge of BCN MedTech with the clinical expertise of UPF's medical professionals to develop solutions that can improve patient outcomes. The collaboration also provides opportunities for students and researchers to gain experience in cutting-edge research in the field of medical technology.</p>		P


<p><u>Centre avançat de Tecnologies mecàniques</u></p>	<p>Digital, industry 4.0, CleanTech</p>	<p>P</p>
<p>Centre avançat de Tecnologies mecàniques (CATM) is a research and innovation center based in Catalonia, Spain. It focuses on developing advanced mechanical technologies for various industries, including automotive, aerospace, and energy. The center’s facilities include state-of-the-art laboratories equipped with the latest technologies in materials testing, non-destructive testing, and advanced manufacturing processes.</p> <p>The CATM team of experts collaborate with industry partners and research institutions to develop innovative solutions to complex mechanical challenges. The center also offers training and consulting services to help companies improve their manufacturing processes and stay up to date with the latest technological advances. Overall, CATM aims to drive technological progress in mechanical engineering and provide solutions to real-world problems faced by industries.</p>		<p>P</p>
<p><u>Institut de Bioenginyeria de Catalunya</u></p>	<p>Digital, Health</p>	<p>PR</p>
<p>The Institut de Bioenginyeria de Catalunya (IBEC) is a research institute located in Barcelona, Spain. It was founded in 2005 as a joint initiative of the Generalitat de Catalunya (Catalan Government), the University of Barcelona, and the Technical University of Catalonia.</p> <p>The institute focuses on interdisciplinary research in bioengineering and nanomedicine, aiming to address some of the most pressing biomedical challenges of our time. Some of its research areas include biomaterials and tissue engineering, biosensors and biomedical imaging, and regenerative medicine.</p> <p>IBEC brings together scientists and researchers from different fields, such as physics, engineering, biology, and medicine, to work on cutting-edge projects and develop innovative solutions for healthcare. Its mission is to promote excellence in research, foster international collaborations, and train the next generation of bioengineers and scientists.</p>		<p>NGO having private and public members</p>

<p><u>Institut d’investigació en Intel·ligència Artificial</u></p>	<p>Digital</p>	<p>P</p>
<p>The Institut d’investigació en Intel·ligència Artificial (IIIA) is a research institute located in Barcelona, Spain. Founded in 1985, it is one of the leading institutions in Europe dedicated to the study and development of artificial intelligence (AI).</p> <p>The institute’s research focuses on various aspects of AI, including machine learning, natural language processing, computer vision, robotics, and knowledge representation. It also explores the ethical and social implications of AI, aiming to ensure that this technology is developed and used in a responsible and beneficial way.</p> <p>The IIIA is affiliated with the Spanish National Research Council (CSIC) and is part of the CSIC’s network of research institutes. It collaborates with other institutions and organizations both nationally and internationally, working on projects that have the potential to impact a wide range of industries and sectors. The institute is committed to advancing the field of AI, promoting scientific excellence, and contributing to the progress of society.</p>		<p>P</p>
<p><u>Nanobiotechnology for Diagnostics group- Nb4D</u></p>	<p>Health</p>	<p>PR</p>
<p>The Nb4D (Nanobiotechnology for Diagnostics) group is a research group that focuses on developing and applying nanotechnology-based solutions for the early diagnosis and monitoring of diseases.</p> <p>The group’s research activities include the development of novel biosensors, nanomaterials, and microfluidic devices that enable the detection of disease biomarkers with high sensitivity and specificity. Their research is particularly relevant in the field of point-of-care diagnostics, where rapid and accurate detection of diseases is critical for timely treatment and management. The Nb4D group collaborates with academic and industrial partners to translate their research into practical applications that can improve healthcare outcomes.</p>		<p>NGO having private and public members</p>


<p><u>Parc Taulí Recerca i Innovació</u></p>	<p>Health</p>	<p>PR</p>
<p>Parc Taulí Recerca i Innovació is the research and innovation arm of the Parc Tauli Hospital. It is a leading research institute that conducts cutting-edge research in various fields of medicine, including neuroscience, oncology, infectious diseases, and cardiology, among others. The institute has a multidisciplinary team of researchers, physicians, and healthcare professionals who work collaboratively to translate scientific discoveries into clinical applications that can improve patient care.</p> <p>Parc Tauli Recerca i Innovació also partners with other research institutions, universities, and industry partners to develop innovative medical technologies and treatments. The institute’s research activities are supported by state-of-the-art facilities, including research labs, animal facilities, and clinical research units, among others. Through its research and innovation activities, Parc Tauli Recerca i Innovació aims to advance medical knowledge and improve healthcare outcomes.</p>		<p>NGO having private and public members</p>
<p><u>Institut de Tecnologia de la Construcció de Catalunya (ITeC)</u></p>	<p>Industry 4.0, Digital, Cleantech</p>	<p>PR</p>
<p>The Institut de Tecnologia de la Construcció de Catalunya (ITeC) is a non-profit research and innovation center located in Barcelona, Spain, focused on the construction industry. Its main objective is to improve the competitiveness of the construction sector by promoting innovation, sustainability, and quality.</p> <p>The institute has expertise in various areas, such as building materials, energy efficiency, acoustics, fire safety, and digitalization. ITeC collaborates with companies, institutions, and research centers to develop new technologies and to transfer knowledge to the industry. Its activities contribute to the development of more sustainable, efficient, and safer buildings and infrastructures.</p>	  	<p>NGO having private and public members</p>

<u>Institut de Recerca de l'Energia de Catalunya- IREC</u>	Cleantech	PP
<p>IREC (Institut de Recerca de l'Energia de Catalunya) Fundació is a public research institute with a public-private Board of Trustees.</p> <p>IREC is a research institute that focuses on promoting and conducting research on sustainable energy systems. The institute aims to develop innovative and efficient solutions for the generation, storage, and distribution of energy, with a particular emphasis on renewable energy sources such as solar, wind, and biomass. IREC works closely with universities, research centers, and industry partners to develop cutting-edge technologies and solutions that can help to reduce carbon emissions and mitigate climate change. The institute also provides training and education programs to foster the development of new talent in the field of sustainable energy. Through its research and outreach activities, IREC strives to contribute to the transition towards a more sustainable and low-carbon energy system.</p>		PP



• **RESEARCH BASED ORGANISATIONS (NGOs)**

Name of the organization	Fields/sectors covered	Legal status
<u>Fundació catalana per la Recerca i la Innovació</u>	Digital, Health, industry 4.0, CleanTech	PR
<p>The Catalan Foundation for Research and Innovation (FCRI), a private organisation set up in 1986, disseminates research and innovation among society to promote scientific culture, careers in science and Technology and public-private relationships and entrepreneurship in this field.</p> <p>The FCRI facilitates communication between society, the Catalan research and innovation system and the productive fabric to increase citizenship interest in science and technology. We specialise in bridging the communication gap between knowledge-generating agents and society.</p>		NGO having private and public members

<u>Fundació Garcia Cugat</u>	Health	PR
<p>The Garcia Cugat Foundation was created in 2007 by a group of doctors, veterinarians and health professionals who have been researching biological treatments such as growth factors applied to bone, tendon, muscle, ligament, etc. for more than a decade.</p> <p>Since 2010, the Garcia Cugat Foundation has initiated a line of therapies with stem cells in the treatment of anterior cruciate ligament and cartilage injuries (osteoarthritis).</p>		NGO having private and public members
<u>Fundació Josep Carreras</u>	Health	PR
<p>After more than 30 years of work trying to improve the quality of life of patients and, above all, to achieve a definitive cure for leukaemia, in 2010 the José Carreras Foundation decided to launch, together with the public administration, a historic and incomparable project: the first European research centre exclusively focused on leukaemia and other haematological malignancies and one of the only ones in the world.</p> <p>The Josep Carreras Leukaemia Research Institute (IJC) aims to promote the development of research in the field of onco-haematology, speed up the application of new treatments, improve patient care and survival, contribute to the training of new researchers and establish synergies with other national and international research groups.</p>		NGO having private and public members
<u>Fundació Leitat</u>	Digital	P
<p>The LEITAT Foundation is a non-profit public foundation constituted by the Association ACONDICIONAMENTO TARRASENSE (Technological Centre LEITAT), whose aims include the promotion of research, development and technological innovation within the different economic sectors. In view of its aims, the beneficiaries of the Foundation will be universities, research centres, the scientific community and the business sector that promote research, development and technological innovation.</p>		P

<u>Fundació Nord</u>	Digital	PR
<p>The Fundació Nord is made up of a group of professionals related to new technologies and committed to the economic and social development of the Girona region. Its objectives are:</p> <ul style="list-style-type: none"> - To boost the blockchain technology - Economic and territorial promotion - To avoid the digital gap 		NGO having private and public members

• **TECHNICAL SCHOOLS (public and private/ informal)**

Name of the organization	Fields/sectors covered	Legal status
<u>Barcelona Technology School</u>	Digital	PR
<p>Barcelona Technology School is a leading education project that empowers the next professionals who will transform the digital industry.</p> <p>Barcelona Technology School helps talent to shape the digital future through master's degrees focused on the most demanded digital skills such web and mobile development, cloud solutions, big data, UX, entrepreneurship and digital transformation.</p>		PR
<u>TeleCOM Barcelona</u>	Digital	P
<p>It is an engineering school of the Technical University of Catalonia. TelecomBCN is one of the largest telecommunications engineering schools in Spain.</p> <p>The school's objective is to train engineers in the fields of information and communication technologies. The school offers two study programs that culminate in two different official degrees: one in telecommunications engineering called Degree in Technologies and Services of Telecommunications Engineering, with four mentions (Audiovisual Systems Engineering, Electronic Systems Engineering, Telecommunications Systems Engineering and Telematics Engineering) and the other in Physics Engineering.</p>		P

<u>School of Chemical Engineering</u>	Digital	P
With more than 45 years of experience, the School of Chemical Engineering (ETSEQ) of the Universitat Rovira Virgili is one of the leading university schools in Europe in the academic, business and research fields of chemical and mechanical engineering. Located on the Sescelades campus, in pleasant surroundings a few minutes from the centre of Tarragona, and in the sphere of influence of one of the most important business areas of the Mediterranean chemical sector.		P
<u>Nuclio Digital School</u>	Digital	PR
Nuclio Digital School is a Barcelona school, leader in digital education. They offered a wide range of masters in Data Science, Cybersecurity, UX UI, Programming, Digital Marketing, Human Resources, Blockchain, SEO-SEM, or Product Management.		PR


- **INNOVATION AND TECH TRANSFER ORGANIZATIONS**

In Catalonia, all the Research centres, Technology Institutes, Universities, Clusters, and Business Organisations promote innovation and technology transfer.

- **IPR Offices/ help-desks/** depending how they are named in each country

Acció is the one that offers this service, together with the Catalan European Enterprise Network.

- **OTHER TYPES**

Name of the organization	Fields/sectors covered	Legal status
<u>Camp Tecnològic</u>	Digital	PR
Camp Tecnològic has been teaching Technology and Robotics to boys and girls from 4 to 17 years throughout Spain since 2011. Technological Camp is a leading educational project whose objective is to awaken the interest of young people in the subjects of the STEM area: science, technology, engineering and mathematics through Educational Technology. Their focus is to improve their skills in these areas and thereby increase their chances of future academic and professional success.		PR