



The power of knowledge  
to boost innovation

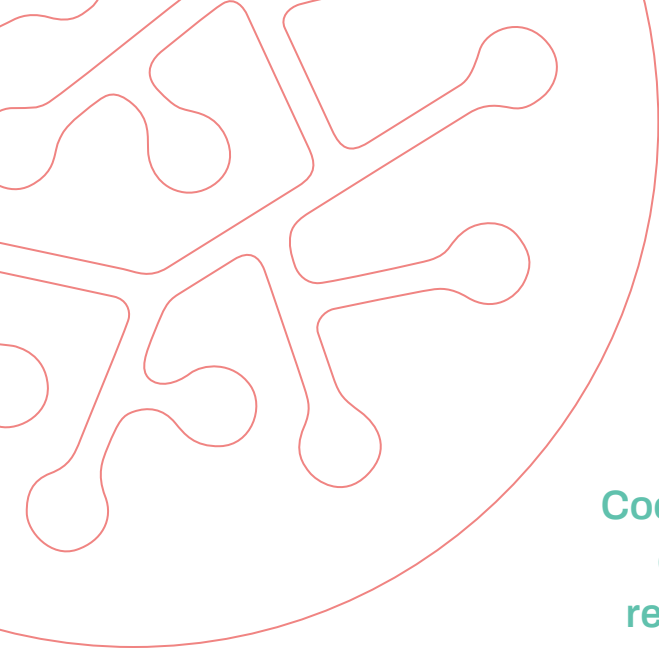


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Where companies are fed on ideas



**Cooperation between  
companies and  
research groups is  
defined by the creation  
of positive synergies  
where research,  
entrepreneurship and  
innovation are drivers  
that generate wealth,  
employment and  
well-being**




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**Paterna, 2024**


A person wearing a white lab coat and blue nitrile gloves is holding a glass flask containing a blue liquid. The background is blurred, showing a laboratory setting. Two large circular callouts are overlaid on the image: a teal one on the left and a red one on the right. There are also two smaller circular icons: a teal one with a red molecular structure and a red one with a teal circuit-like pattern.

An ecosystem  
that favours the  
generation and  
development of  
innovative projects

Knowledge and  
its transfer is the  
main resource  
for empowering  
innovation and  
companies'



## Biotechnology, Information and Communication Technologies (ICT), Energy, the Natural Environment, Nanotechnology, Materials and Advanced Services are the most emphasised development sectors of the PCUV



**The University of Valencia Science Park (PCUV, in Spanish) began in 2009 as a strategic initiative engaged in socio-economic development by stimulating the transfer of the knowledge generated at the University of Valencia to the business field.** By remaining faithful to the characteristics of its promoting institution (UV) –a public, global and historic university with an enormous research potential–, the PCUV has become well-established as a driving agent of research, development and, above all, innovation.

The PCUV covers a surface area of 200,000 m<sup>2</sup> in the surroundings of the UV Burjassot-Paterna campus, and it houses different research institutes of excellence, some special centres and a Business Area. They are constantly extending, and the occupation levels of start-ups, newly formed organisations and well-established companies are high. They are drawn by its variety of services to improve their competitiveness, for them to project outwardly, and also by the closeness of the scientific resources

of competitive university research institutes with a strong international impact.

In 2023, the seven research institutes that make up the Academic Area, with one thousand people, have accumulated contracts, agreements and projects that account for more than €400 million. Its Business Area is made up of more than 90 companies that create 565 direct jobs and occupy virtually all the available space.

The PCUV Foundation (FPCUV, in Spanish) is the managing organisation of the PCUV Business Area, and renders high added value services for companies to improve their competitiveness through innovation and internationalisation based on a series of activities. According to efficiency and sustainability criteria, the FPCUV is in charge of ensuring the correct operation of the PCUV installations and services. Its founder trustees are Banco Santander, Fundación Bancaja, Cámara de Comercio de Valencia and Confederación Empresarial Valenciana, as well as the UV.







# 1. BUSINESS AREA



Different building, offices, laboratories and forms of hosting that provide versatility and adaptive capacity in a diverse, welcoming and prepared Science Park to confer very different business realities support and value



The PCUV Business Area is an ideal place to create and develop science- and technology-based companies, and also for the location of well-established innovative companies and recently created startups. Its closeness to research institutes and the university scientific community, along with the services offered by the PCUV, stress its revitalising element for business projects to be developed, and for spin-offs and business R&D departments to settle.

Spaces for not only offices and laboratories, but also for shared uses, with different characteristics allow all kinds of innovative companies to be located in the Science Park, which also has spaces designed to host projects and start-ups (such as the case of its Nursery and Incubator), promoted by external companies and university spin-offs, and also by research groups or entrepreneurs.



**Several business incubators and a business incubator for university spin-offs house young firms in their development or consolidation process that benefit mainly from the information, training and business counselling services that the PCUV offers through the Foundation.**

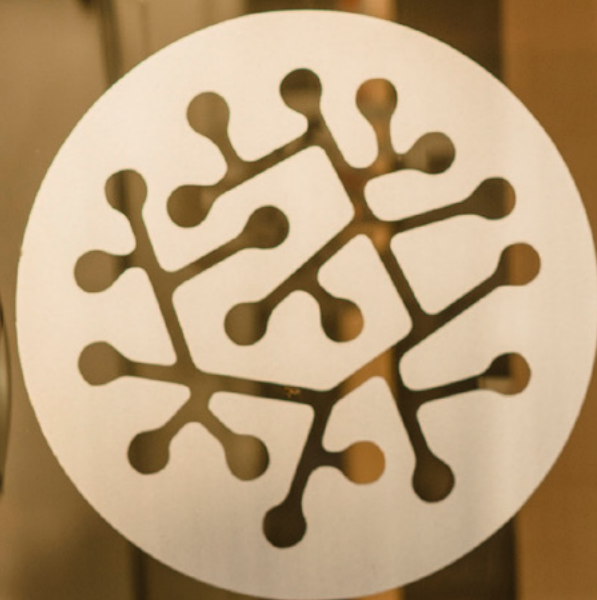
**The Science Park also has co-working spaces, the Business Incubator, for startups, entrepreneurs or small-sized recently set up enterprises. This modality facilitates the implementation of ideas that generate value-added business projects.**

As a catalyser of start-ups, AgrotecUV, the High-Tech Incubator in Sustainable Agro-Food, of both the UV and FPCUV also forms part of the Science Park's Business Area. With almost 20 agro-food companies in the incubation and scaling process, AgrotecUV is characterised by its personalisation and adaptation to needs, whose

services include business and scientific-technological mentoring, access to UV scientific-technical services, networking, and access to specialised partners and financiers (smart capital).

The PCUV Business Area also houses the Spanish Type Culture Collection (CECT, in Spanish), a UV service. Its mission is to appropriately offer the long-term maintenance of strains of microorganisms, and to supply them upon request to research laboratories and to laboratories of public health, hospitals, companies and teaching centres for biotechnological and commercial uses. With approximately 8,000 strains of different characteristics of general and industrial interests and numerous applications, the CECT is a public collection of microorganisms with International authority, and is ranked as a Centre of Microbial Resources, at the service of world research. This classification ensures that it operates according to quality standards.



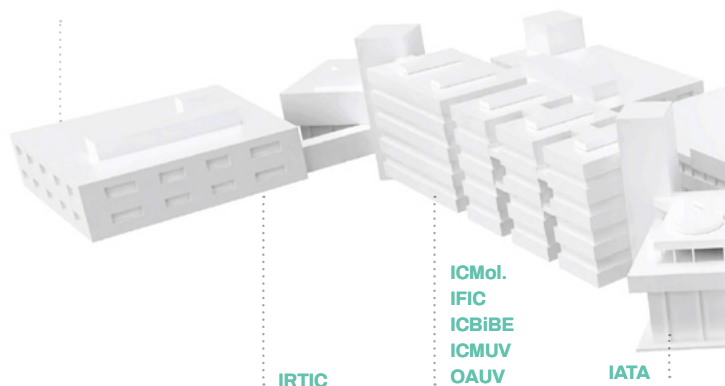




## Scientific-Academic Area

### Scientific-Academic Area

- University Research Institute of Robotics and ICT (UV) (**IRTIC**)
- UV Astronomical Observatory (**OAUV**)
- Institute of Molecular Science (**ICMol**)
- Institute of Corpuscular Physics (**IFIC**)
- Cavanilles Institute of Biodiversity and Evolutionary Biology (**ICBiBE**)
- University Institute of Materials Science (**ICMUV**)
- Institute of Agrochemistry and Food Technology (**IATA**)



### Business Nursery

**250 m2 of business incubation spaces, laboratories and offices next to UV research institutes**

#### Building 1

**With almost 6,000 m2 of offices, and also a co-working space with different spaces for shared uses**

#### Building 2

**2,400 m2 of laboratories and a production plant**

#### Building 3

**Nearly 5,000 m2 of laboratories and offices**

#### Building 4

- Institute for Integrative Systems Biology (**I2SsysBio**)
- Image Processing Laboratory (**LPI**)

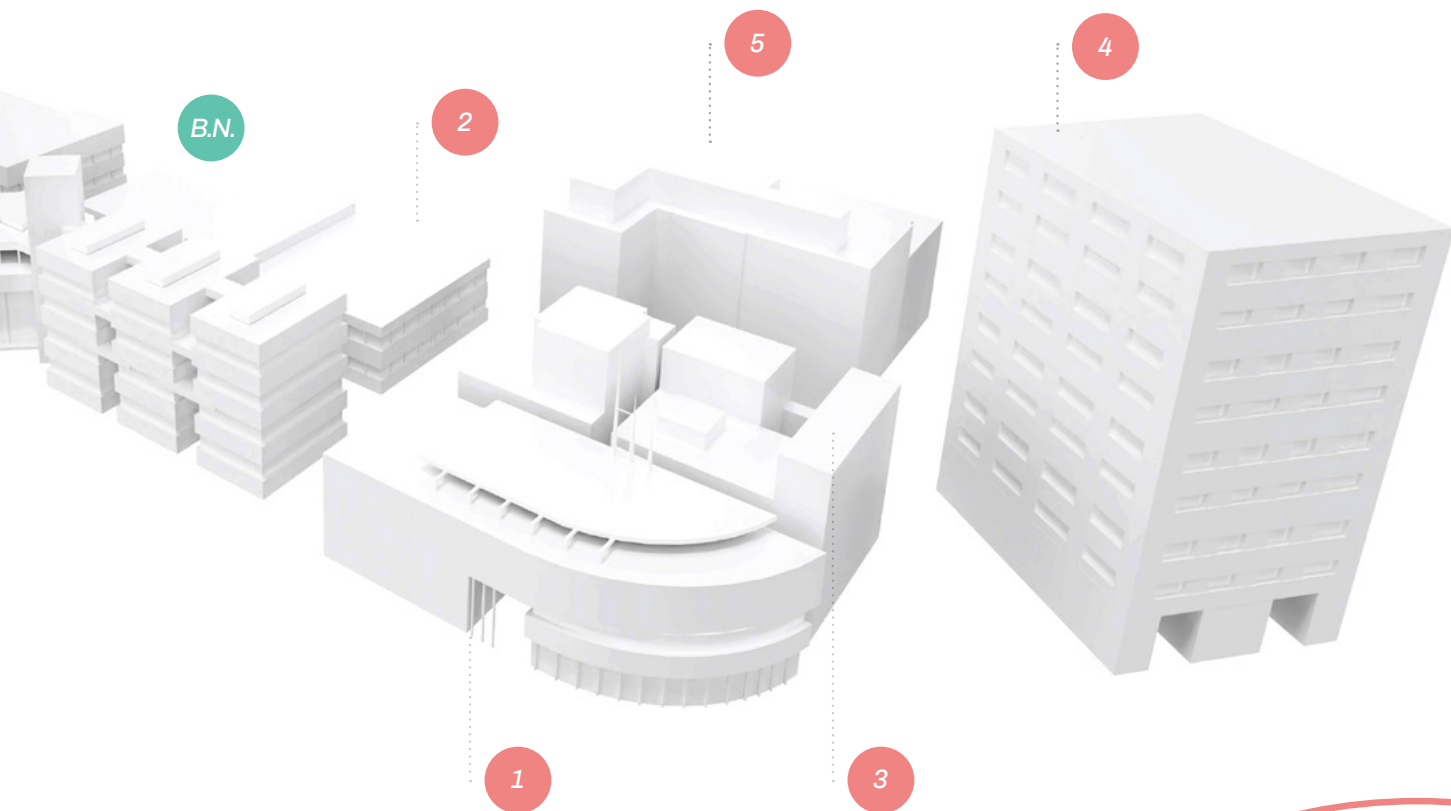
#### Building 5

**More than 2,700 m² of incubators, laboratories and co-working space**

- Innovation Centre UV
- High-tech sustainable food nursery (**AgrotecUV**)

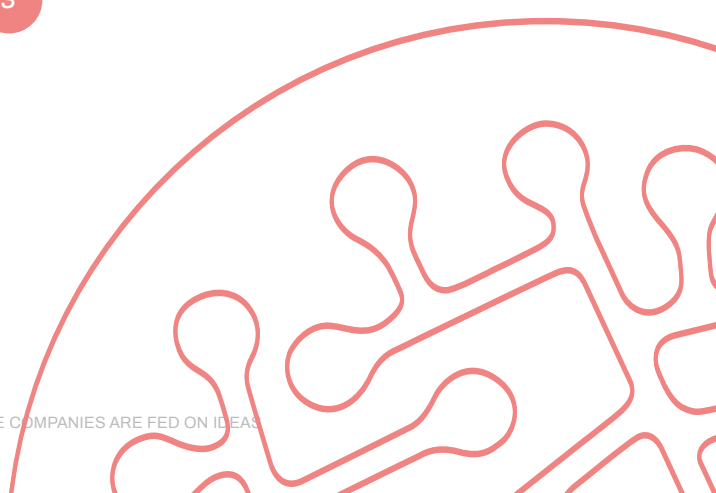
## Spaces and locations

## Business Area



### Beatriu Civera Building (Campus Tarongers UV)

60 m2 of shared-use spaces for startups  
and recently set up companies



## Highlighted magnitudes of the PCUV Business Area



The table below contains the indicators showing the Scientific Parks' activity for **2023**

Concept	Total
<b>Companies</b>	
Derived companies (spin-offs)	7
Total no. of companies housed in the PCUV	91
Of which are new	8
Total no. of workers in companies	565
<b>Companies' location</b>	
Business Nursery	3
Building 1 SC – Scientific-technological services	25
Building 2 BIOTEC – Biotechnology and Functional Foods	1
Building 3 CUE – University Business Centre	31
Virtual office	11
Business Nursery on the UV Tarongers campus	7
High Technology Incubator in Sustainable Agri-Food (AgrotecUV)	13
<b>Occupied spaces</b>	
Business Nursery	100%
Building 1 SC – Scientific-technological services	98%
Building 2 BIOTEC – Biotechnology and Functional Foods	100%
Building 3 CUE – University Business Centre	98,6%
Business Nursery on the UV Tarongers campus	29%



## 20 Business Area keys

75% of PCUV companies are **Private Limited Companies (PLCs)**


The average time companies that remain in the PCUV installations is **4 years**

Since the Science Park began until 2022, **257 companies have settled at the PCUV**

Every company hosted at the PCUV occupied, on average, **91.82 m2** a month in 2022

According to the **National Classification of Economic Activities (CNAE, in Spanish)**, the most represented activities of the companies housed in the PCUV are **professional scientific and technical activities** (47%)

The **Advanced Services** (36%), **Biotechnology, Medicine and Health** (31%) and **ICT** (13%) categories are the most represented areas in the PCUV installations, totalling 80%



The products/services of half the PCUV companies (**50%**) address the **B2B** sector

The most practiced type of innovation in the PCUV installations is **Product/Service Innovation** (**33%**)

Leaders of the companies housed at the PCUV consider **Universities** to be their **main collaborator** (**38%**)

**Artificial Intelligence** is the most widely used technology by PCUV companies (**18%**)


**64%** of PCUV companies have been granted public **aid/subsidies/financing** for R&D from Public Administrations during the 2020-2023 period

**17** PCUV companies accumulate **191 awarded patents**

**89%** of PCUV companies are **micro- or small-sized enterprises**; that is, they have no more than 50 workers

  
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In 2022, **75 PCUV companies** had **2.562 workers** on their payrolls

**81%** of the workers of PCUV companies have completed a **University Higher Education Degree** (including Master's and/or PhDs)

In 2022, **the turnover** of **18%** of PCUV companies exceeded one million euros

**67%** of PCUV companies have workers who have **graduated and/or have qualifications from the UV**

**22%** of PCUV companies are led by **women**

**45%** of PCUV companies obtained **external financing** for the 2022-2023 period

**60%** of PCUV companies had sales/rendered services abroad and, therefore, **export**

**This Science Park is the ideal place to start a business project, to grow and to consolidate innovative business activities. It is also a meeting point for ideas**

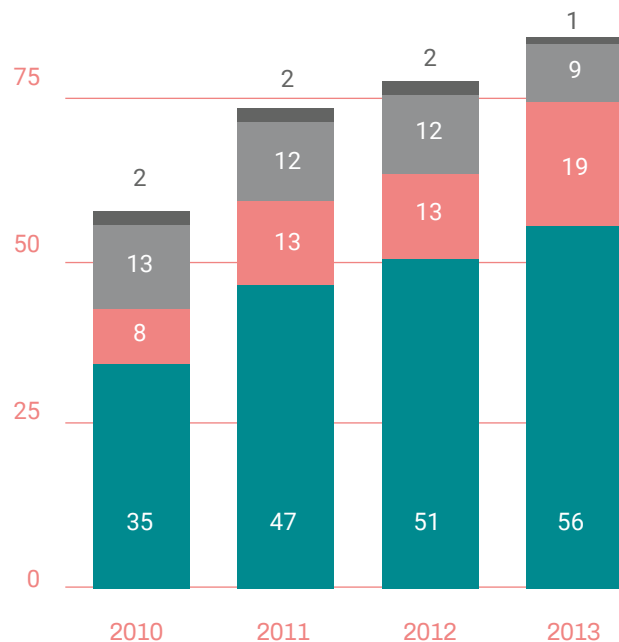


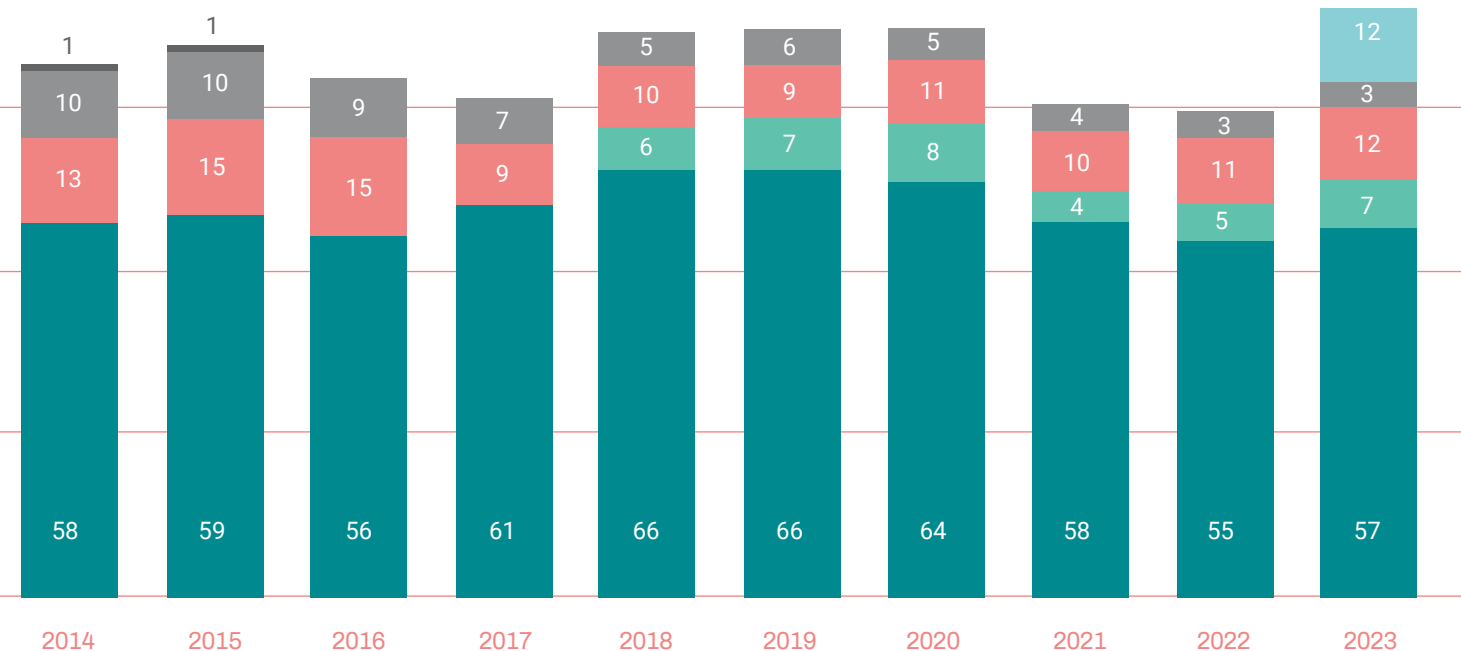
- 1. Scientific-technical services**
- 2. Corporate Housing**
- 3. Versatile spaces**
- 4. Business support**
- 5. Relation with the environment**
- 6. Competitiveness**
- 7. Setting for collaboration and co-operation**
- 8. Savings**
- 9. Placement**





## Companies by location

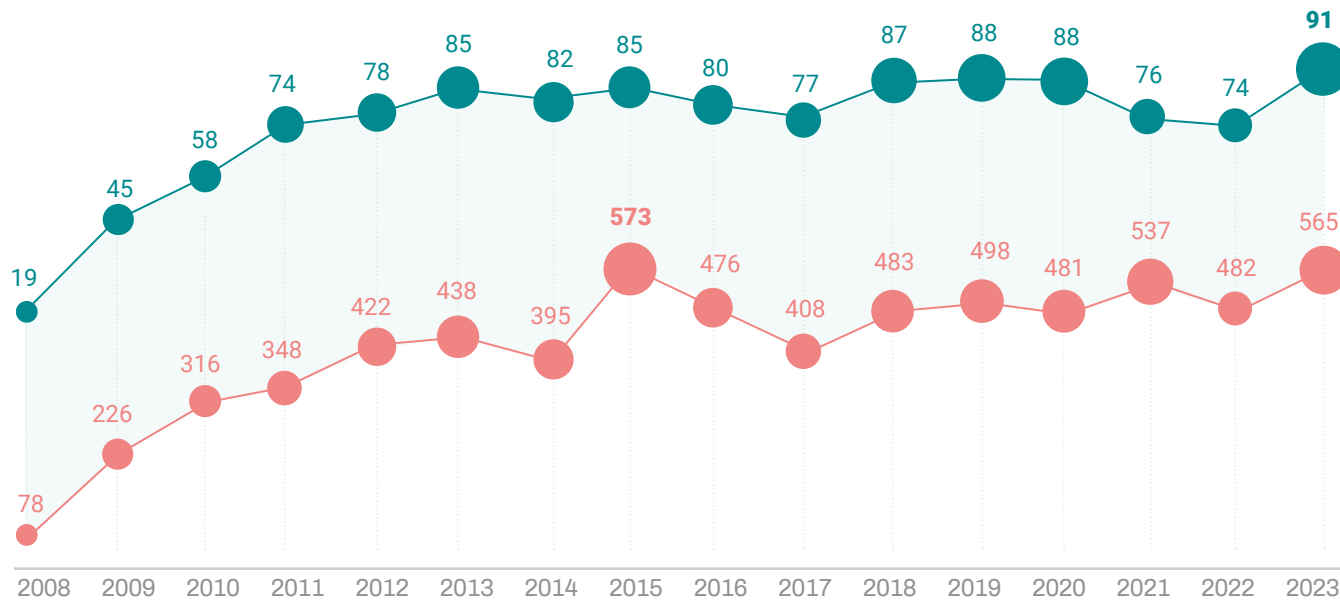




## Evolution of the number of companies and employees

Companies

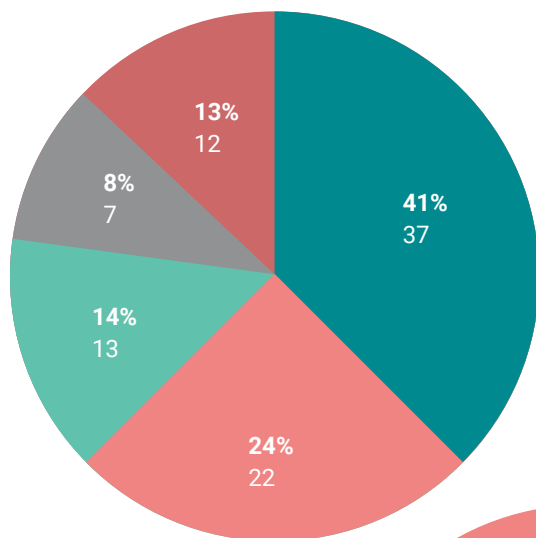
Employees



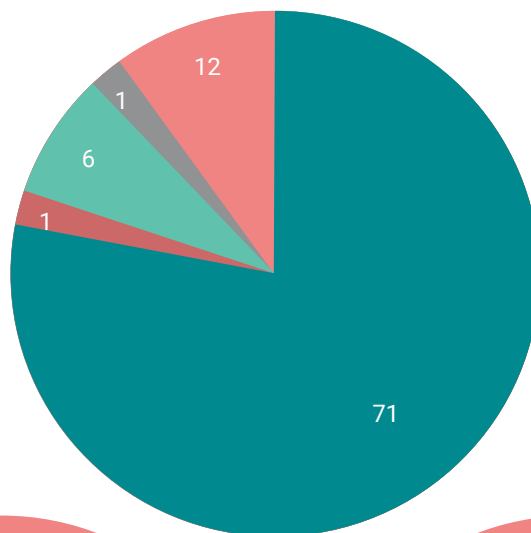


- BIOTECHNOLOGY
- ICT
- ADVANCED SERVICES
- ENERGY AND ENVIRONMENT
- MATERIALS AND NANOTECHNOLOGY

- LIMITED LIABILITY COMPANIES
- OTHER COMPANIES
- PROFESSIONALS
- FOUNDATIONS
- OTHERS



**Number of  
companies by  
sector**



**Types of  
entities**

What PCUV  
companies  
say



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*Cristina Vilanova Serrador, Science Director of  
DARWIN BIOPROSPECTING EXCELLENCE, S.L.*

"Our greatest success has been to become a well-established company with many workers that continues over time. Our biggest failure was not having planned growth well. We made lots of mistakes in the beginning due to lack of information. **Our strategic planning failed when starting up the company. Fortunately, we were able to put things right in time**".

*Javier Calpe Maravilla, the Director of  
ANALOG DEVICES, S.L.*

"The most resounding success has been my company's growth. My company started up in Valencia with five people in 2005. This year (2023) it employs 200 workers. I have no failure to stress. **In the end, some things go right, but others go wrong; that's life. You have to keep working on a daily basis**".







*Gabriel Butler Monterde, the CEO of  
GENIA GLOBAL ENERGY SOLUTIONS, S.L.*

"My biggest success is that my organisation, a Valencian company with six people housed in the Science Park, has been able to develop and build the largest photovoltaic plant of France built to date. From this, **our most resounding success has been to create a business group from nothing and to continue providing value and developing projects on different markets.** My main failure was in the first company that I created by making all the kinds of mistakes that a young entrepreneur makes. I did not understand how important the relationship with partners was and I had to reinvent myself with a new business plan. I personally think that you learn more from failures than from successes. **The capacity of being resilient is key for entrepreneurs;** you cannot give up, but you have to try and try again, but differently because, if not, everything will still be the same. It is necessary to seek another approach and another strategy".

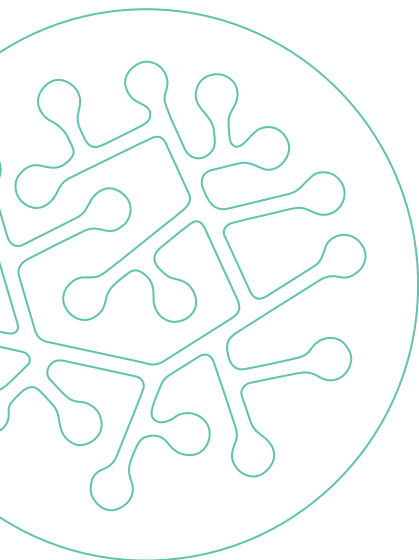




A woman in silhouette is walking on a modern building's walkway. The building has large glass windows and a balcony. The sky is blue with white clouds. A large teal circle is overlaid on the left side of the image, containing the text "2.SCIENTIFIC-ACADEMIC AREA".

## 2.SCIENTIFIC- ACADEMIC AREA





The UV and CSIC (Spanish National Research Council) research institutes make up this multidisciplinary R&D&I structure called the PCUV Scientific-Academic Area. This is a space for knowledge generation where basic research and applied research are contemplated with a view to improve the business fabric.

With the support of the Central Service for Experimental Research (SCSIE, in Spanish), the PCUV institutes and special centres stand out for their high level of collaboration with companies and institutions, and for their participation in scientific projects with an international impact.

In this setting, the UV has: four of its own institutes, namely the University Research Institute of Robotics and ICT (IRTIC), the Cavanilles Institute of Biodiversity and Evolutionary Biology (ICBiBE), the University Institute of Materials Science (ICMUV) and the Institute of Molecular Science (ICMol); two mixed UV-CSIC institutes, namely the Institute of Corpuscular Physics (IFIC) and the Institute for Integrative Systems Biology (I2SysBio); one CSIC institute that is considered an extended UV faculty, the Institute of Agrochemistry and Food Technology; two special centres, namely the UV Astronomical Observatory and the Image Processing Laboratory (IPL).



### **I2SysBio – the Institute for Integrative Systems Biology (UV+CSIC)**

A centre that is open to the strategic participation of biotechnology companies. Its scientific programmes centre on research into the structure, function, dynamics, evolution and manipulation of complex biological systems.



### **IATA - the Institute of Agrochemistry and Food Technology (CSIC)**

This CSIC Institute, which is considered an extended UV faculty, integrates UV researchers into its Distinguished Scientific Faculty as a Severo Ochoa centre of excellence. Its main research objective of excellence is about the sustainable production of quality foods, and about their security, their impact on health and their consumer acceptance.

### **ICBiBE - the Cavanilles Institute of Biodiversity and Evolutionary Biology**

This centre studies biodiversity and evolutionary biology from an integrative and multidisciplinary approach. Its research lines go from evolutionary ecology, plant conservation and marine zoology to limnology, entomology, compared neurobiology, among others.

### ICMOL - *the Institute of Molecular Science*

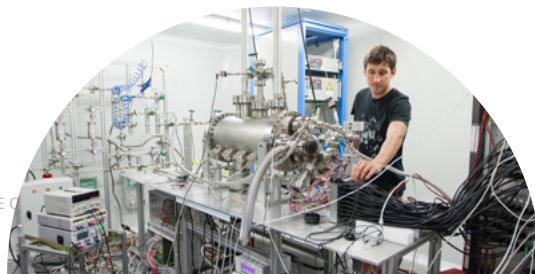
This is a centre of excellence for Chemistry and Molecular Nanoscience. Its objectives fall in fields like the design and synthesis of functional molecules, supramolecular associations and molecular materials with physical or chemical properties of interest. Its areas of application range from magnetism and molecular electronics to nanotechnology and biomedicine. It has a ministerial accreditation: "The María de Maeztu Unit of Excellence".

### ICMUV - *the University Institute of Materials Science*

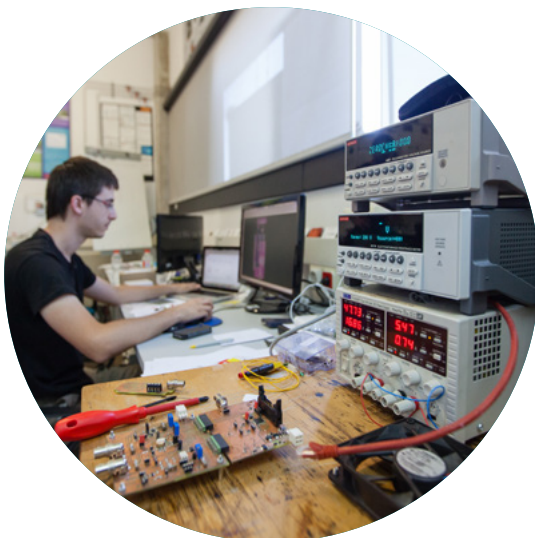
It works in applied physics and the chemistry of materials and nanomaterials with applications in various fields, such as the physics of semiconductors and optic fibres, and the chemistry of polymers or mesoporous materials. This institute has produced different spin-offs and participates with researchers and equipment at the Val Space Consortium.

### IFIC - *Instituto de Física Corpuscular*

This centre conducts research into Nuclear Physics, Particles Physics and Astroparticles Physics, and also into their applications in Medical Physics and other science and technology fields. It is a Severo Ochoa Centre of Excellence.







### ***IRTIC - the University Research Institute of Robotics and ICT (UV)***

It is made up of four research groups. Its activity centres on projects about data management systems, remote sensing applications for traffic and transport, graphics by means of computers and virtual reality, systems to integrate disabled people, simulating civil machinery, network services and computer security, and digital image processing.

### ***LPI - the Image Processing Laboratory***

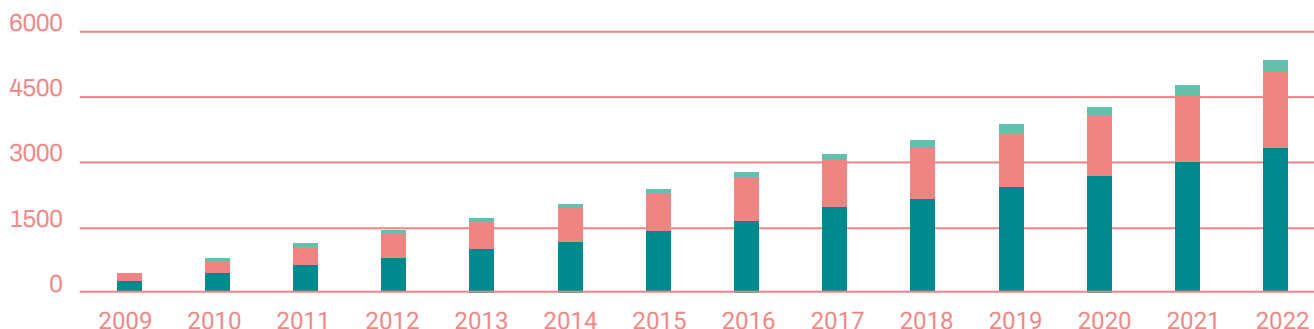
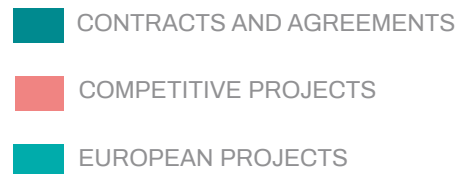
The Image Processing Laboratory (IPL) of the UV is an IRS (Interdisciplinary Research Structure) formed by four research groups (UGC, GPDS, GACE and LEO) that all share the same technological mission: imaging (creating real images or geo-biophysical parameters) using satellite data and remote sensing.



### ***OAVV - the UV Astronomical Observatory***

This institution offers research and education, studies the universe and performs the social diffusion of astronomy. Its main work lines are to study the nature of dark energy, the evolution of the universe and its galaxies, the formation and evolution of the stars or asteroids close to Earth, among others.

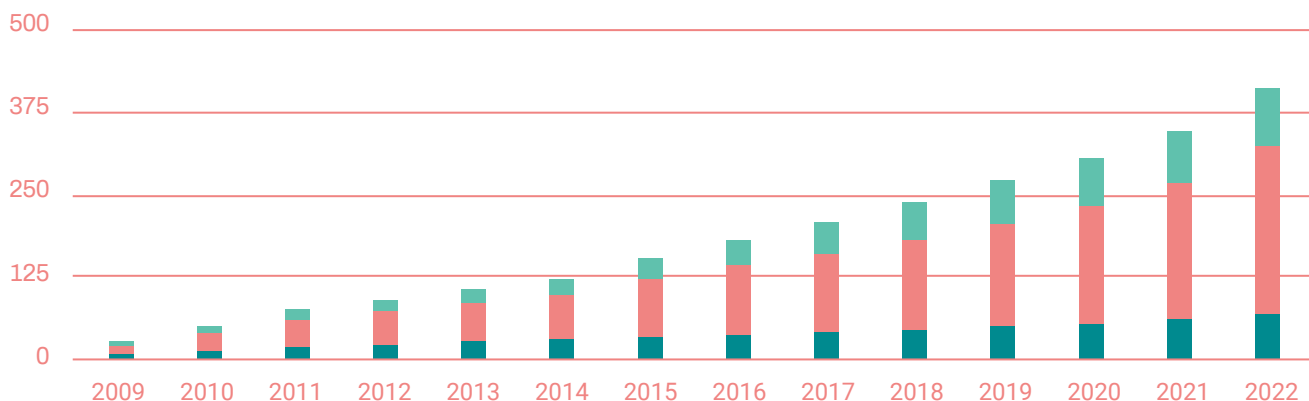
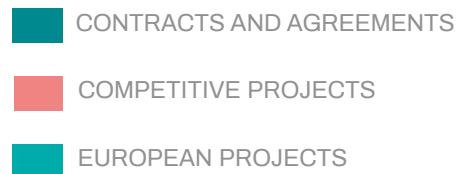
## Number of contracts, agreements and projects that its Research Institutes accumulated in 2022



	2009	2010	2011	2012	2013	2014	2015
CONTRACTS & AGREEMENTS	282	466	636	835	1.009	1.217	1.440
COMPETITIVE PROJECTS	162	292	442	538	623	747	868
EUROPEAN PROJECTS	20	37	54	64	71	76	93

	2016	2017	2018	2019	2020	2021	2022
CONTRACTS & AGREEMENTS	1.675	1.985	2.179	2.451	2.706	3.039	3.378
COMPETITIVE PROJECTS	975	1.070	1.159	1.263	1.393	1.535	1.749
EUROPEAN PROJECTS	117	144	168	190	209	234	252

## Value of the contracts, agreements and projects that its Research Institutes accumulated (MM€) in 2022



	2009	2010	2011	2012	2013	2014	2015
CONTRACTS & AGREEMENTS	10.432	15.480	21.242	24.565	29.612	32.210	35.579
COMPETITIVE PROJECTS	12.454	27.065	40.441	50.778	58.795	66.962	88.407
EUROPEAN PROJECTS	4.806	9.962	15.273	17.322	19.864	23.776	31.358

	2016	2017	2018	2019	2020	2021	2022
CONTRACTS & AGREEMENTS	38.891	44.297	46.695	51.576	56.116	64.707	71.278
COMPETITIVE PROJECTS	106.023	117.635	135.875	155.118	177.555	204.798	253.831
EUROPEAN PROJECTS	37.675	47.639	58.274	66.417	72.177	77.310	88.246















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