

# TecnoCampus Report

2016  
— 2017



*Affiliated centers*



Universitat  
Pompeu Fabra  
Barcelona

# Introduction

The academic year 2016-17 has been particularly important for TecnoCampus. The institution's consolidation since its inauguration in 2010 has highlighted the wisdom of the decisions we made in the 1990s. The future we imagined back then is now a reality. For the first time TecnoCampus has more than 3,000 university students, and its park is home to around 120 businesses. These figures clearly show that TecnoCampus was and remains an intelligent choice.

Mataró City Council and, thus, all the citizens of Mataró are the main driving force behind TecnoCampus. As such, we want it to contribute effectively to the city's economic and social improvement. We are therefore very pleased that reinforcing ties with the local area is one of the priorities of the TecnoCampus 2022 Strategic Plan. University training, innovation and the stimulation of entrepreneurship must be assets for enhancing our industrial fabric and, consequently, the quality of life of all Mataró's inhabitants.

**David Bote**  
mayor of Mataró



As a result of the growth of our university and business activities over the last few years, TecnoCampus has outgrown the premises we have been using since 2010. The academic year 2016-17 has thus been marked by the extension of our facilities, starting with the inauguration of a new building for health-related university education in October 2016.

TecnoCampus's future is full of challenges. Following strong growth, we must now build on our achievements in the business and academic arenas, attain excellence and remain ambitious to seize opportunities for further growth. Another challenge is to implement the TecnoCampus 2022 Strategic Plan, which will guide us in making the institution what we want it to be in the coming years. We have identified four major spheres of action in the collaborative work involved in producing the plan. Students, businesses and staff will all have a vital role to play in meeting the challenges we have set ourselves.

**Dolors Guillén,**  
president of the TecnoCampus Mataró-  
Maresme Foundation



This report presents TecnoCampus's activity in the academic year 2016-17. The university campus's three schools have consolidated their range of training programmes and achieved improvements in terms of indicators such as grades, quality surveys and applications identifying TecnoCampus as first choice (now 85%). As regards the technology park, meanwhile, the two buildings for businesses are full and are testimony to the appeal the facility holds for knowledge-based companies. We have also performed well financially, with this year's results being the best since TecnoCampus began operating in 2010.

This success story has been made possible by the support of Mataró City Council, as the driving force behind the park; the belief of Pompeu Fabra University, as our parent institution; the work and involvement of the Foundation's Board, as a governing body; and the enthusiastic endeavour of all TecnoCampus's employees. We remain committed to working for our students, our city and our industrial fabric.

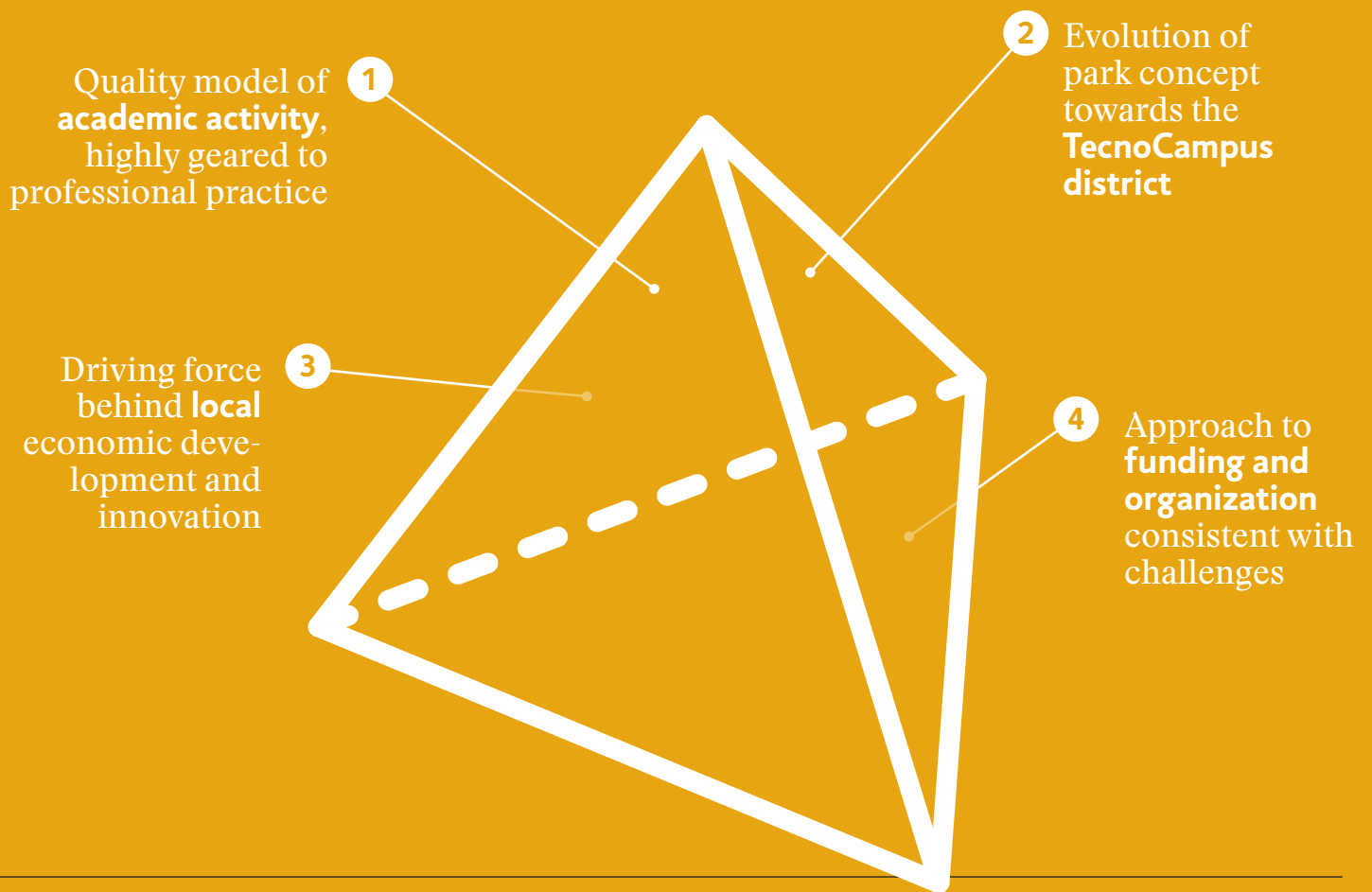
**Jaume Teodoro,**  
general director of the TecnoCampus  
Mataró-Maresme Foundation



# TecnoCampus 2022 Strategic Plan

The TecnoCampus 2022 Strategic Plan has arisen from the need for in-depth reflection following a period of strong growth dating back to the inauguration of the park's new facilities in 2010. Constant increases in numbers of students and businesses (currently over 3,000 and 120 respectively) since then are testament to the sound judgement behind an approach conceived in the 1990s and implemented in the first decade of the 21st century.

<http://plaestrategic.tecnocampus.cat>



## TecnoCampus today, in numbers

**3**

University centres

**18**

Official bachelor's and master's degree programmes

**3,159**

Official bachelor's and master's degree students

**85.5%**

Students who apply to study at TecnoCampus as their first choice

**111**

Agreements with other universities

**808**

Internship agreements

**122**

Hosted businesses and institutions

**733**

Workers employed at the park

**15**

Businesses in the incubator

**510**

Entrepreneurs assisted

**370**

Events held in the Conference Centre

**62**

Businesses created

# University studies

In 2016-17, TecnoCampus incorporated a new bachelor's degree in Physiotherapy into its range of training, which thus includes 16 degree and four double degree programmes. A total of 11 postgraduate and master's degree programmes were taught, with a postgraduate degree in Cooperative and Social Economy Enterprise Management being the main new feature. TecnoCampus's university studies are taught at three schools affiliated to Pompeu Fabra University, Spain's leading higher education institution according to the U-Multirank ranking.

**3**

University centres

**2**

Official master's degrees

**12**

Official bachelor's degree programmes

**10**

TecnoCampus-  
endorsed  
postgraduate  
and master's  
degrees

**4**

Official double degree programmes

## School of Engineering and Technology

### BACHELOR'S DEGREE STUDIES

- Video Game Design and Production
- Industrial and Automatic Electronic Engineering
- Computer Engineering for Information Systems and Management
- Double degree: Computer Engineering for Information Systems and Management + Video Game Design and Production
- Mechanical Engineering
- Audiovisual Media
- Simultaneous studies: Video Game Design and Production + Audiovisual Media
- Simultaneous studies: Mechanical Engineering + Electronic Engineering
- Simultaneous studies: Computer Engineering for Information Systems and Management + Electronic Engineering

### POSTGRADUATE AND MASTER'S DEGREE

- Postgraduate degree in Transmedia Projects
- Postgraduate degree in Bioarchitecture
- Postgraduate degree in Scriptwriting and Directing Actors

## School of Business and Social Science

### BACHELOR'S DEGREE STUDIES

- Business Administration and Innovation Management
- Double degree: Business Administration and Innovation Management + Marketing and Digital Communities
- Maritime Business and Logistics
- Marketing and Digital Communities
- Double degree: Tourism and Leisure Management + Business Administration and Innovation Management

### POSTGRADUATE AND MASTER'S DEGREE

- Master's degree in Entrepreneurship and Innovation
- Postgraduate degree in Social Media and Digital Marketing
- Postgraduate degree in Financial Accounting
- Postgraduate degree in Cooperative and Social Economy Enterprise Management

## School of Health Sciences

### BACHELOR'S DEGREE STUDIES

- Physical Activity and Sport Sciences
- Physiotherapy
- Double degree: Physiotherapy + Physical Activity and Sport Sciences
- Nursing

### POSTGRADUATE AND MASTER'S DEGREE

- Master's degree in Chronicity and Dependence
- Postgraduate degree in Personal Training and Physical and Sport Rehabilitation
- Postgraduate degree in Specialization in Patients with Hard-to-heal Wounds. Chronic Wounds
- Postgraduate degree in Personal Care in Surgery Procedures
- Postgraduate degree in Personal Care in Urgent and/or Emergency Situations

**ACADEMIC YEAR  
2016-2017  
FEATURED  
ACTIVITIES**

**SEPTEMBER 2016**

### Welcome sessions for new students

The welcome sessions were attended by the more than 800 students beginning bachelor's degree studies in TecnoCampus's three schools.



# Students

TecnoCampus's student intake topped the 3,000 mark in 2016-17, due to the introduction of new programmes and growth in the uptake of those introduced in previous years. The percentage of students who select TecnoCampus as their first choice has risen, as has the number of students from outside the institution's sphere of influence.

**3,159**

Official bachelor's and master's degree students

**868**

New bachelor's degree students

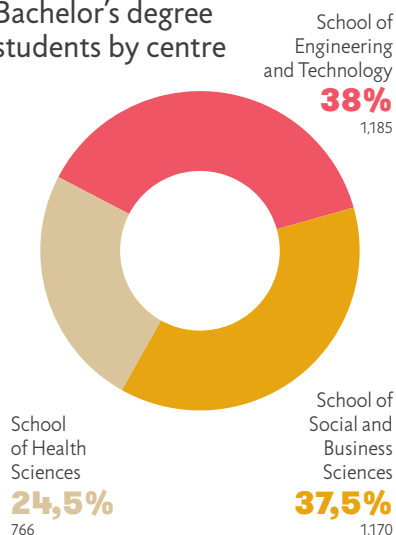
**610**

Bachelor's degree programme graduates

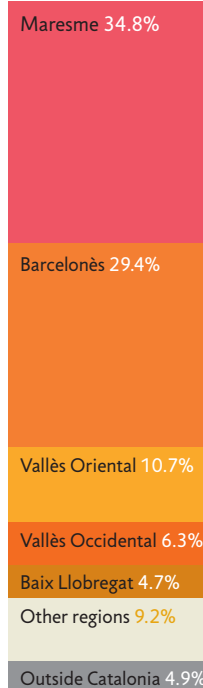
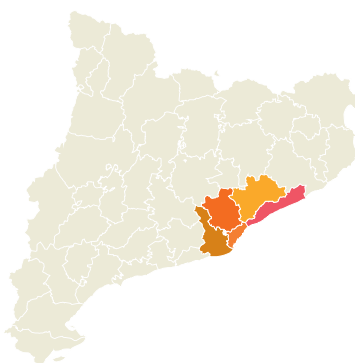
**85.5%**

Bachelor's degree students who apply to study at TecnoCampus as their first choice

## Bachelor's degree students by centre

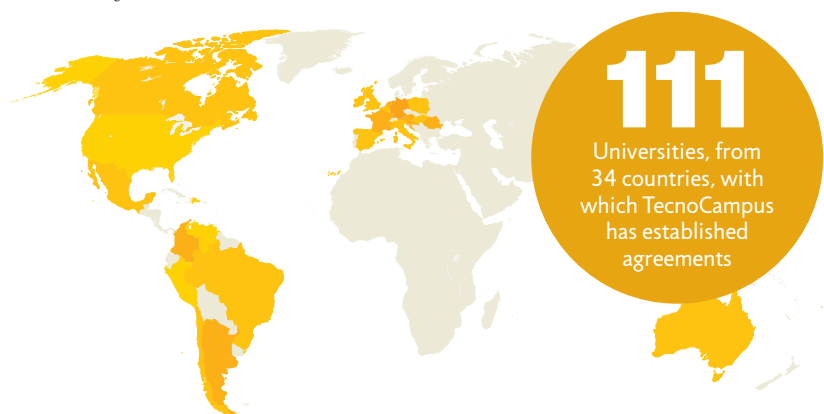


## Where our new bachelor's degree students came from



# International mobility

Agreements established with foreign universities in recent years have given our students greater mobility options and boosted the presence of students from other countries at TecnoCampus. Additionally, mobility linked to job offers has increased.



**13**

Spanish universities with SICUE (Spanish University Exchange System) agreements with TecnoCampus

**78**

EU universities with bilateral Erasmus agreements with TecnoCampus

**20**

Non-EU universities with bilateral agreements with TecnoCampus

**81**

Incoming students

**61**

Outgoing students

**44**

Students who received an Erasmus grant

**OCTOBER 2016**

## TCM6 building inauguration

The Catalan government's minister of enterprise and knowledge, Jordi Baiget, inaugurated the new building, which will be used for university teaching and, at a later stage, for hosting businesses from the health sector.



**NOVEMBER 2016**

## 16th Creativ Awards

A business from the health sector won in the best start-up category, while the prize for the best idea went to a full-size piano keyboard made with smart textiles. The awards were issued at the Entrepreneurs' Night event.

**Nit dels emprenedors**  
17 de novembre · 19.30h



## Careers

Student job placement and links with local businesses and institutions, through cooperation agreements, are essential for TecnoCampus.

**1,650**

Internship offers published

**375**

Job offers published

**808**

Educational cooperation agreements established



## Virtual campus

Promotion of virtual learning spaces for face-to-face, blended and online studies.

**989**

Virtual classrooms corresponding to bachelor's and master's degree subjects

**1,058**

Registrations for the first Digital Fabrication MOOC

**160**

Videos produced as multimedia teaching materials

## University guidance

Activities for informing future university students in secondary schools about TecnoCampus's study programmes and offering them advice took place throughout the academic year.

### Linck Workshops

Workshops on health, business and engineering. TecnoCampus's areas of specialization.

**138**

Linck Workshops run

**3,559**

Participants

**56**

Education centres

## Entrepreneurship hub

The hub offers all the resources, programmes and networks students might need at any stage of their entrepreneurial journey.

All bachelor's degrees include subjects on creativity, innovation and setting up businesses

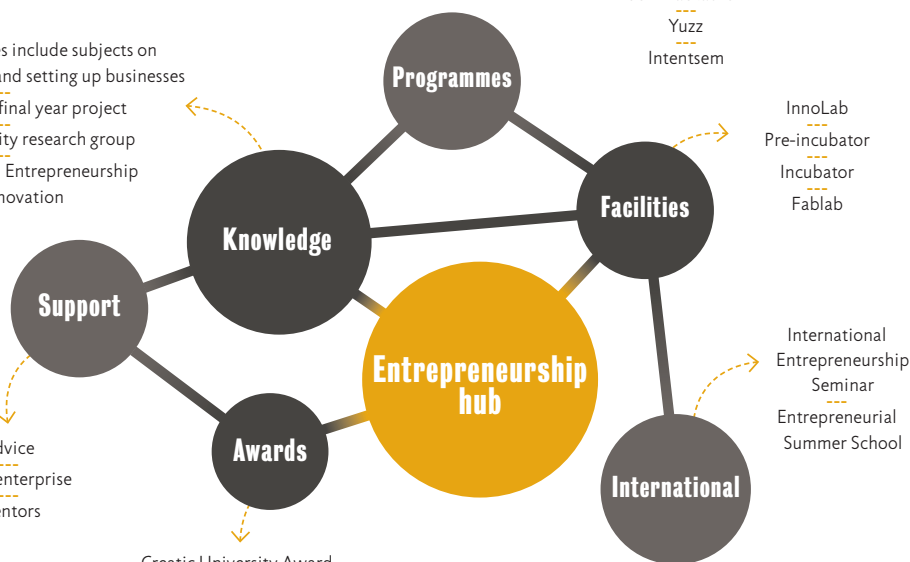
Entrepreneurial final year project

GRAEFES university research group

Master's degree in Entrepreneurship and Innovation

Advice  
Junior enterprise  
Mentors

Creatic University Award



### Fairs and open days

We tell students from far and wide about the option of studying at TecnoCampus.

**16**

University guidance fairs and events

**2,512**

Students attended to at the 2017 Education Fair

**757**

Students attended to during the TecnoCampus Open Day

## DECEMBER 2016

### La Marató de TV3

A charity walk organized by TecnoCampus and the AGIM association raised €5,100 for TV3's annual charitable event, the goal of which was to fund work related to ictus and traumatic brain and spinal injuries.



## JANUARY 2017

### Debating League final

The final of the second Debating League took place with the journalist Manuel Cuyàs among the judges. 17 students took part in this activity for nurturing oratory skills.







## University life

### University sport

290 registrations for the Junts per l'Esport association's sports pass. 11 university sport championship medal winners. A total of 21 teams participated in two university football competitions. Almost 100 matches were played, with 210 students taking part overall.

### Charity

The two blood donation drives that took place at TecnoCampus resulted in over 200 people giving blood.

### TecnoCampus Students' Association

Over 1,700 students participated in the three main university celebrations in 2016-17. The Students' Association now has 12 committees.

### Healthy Campus initiative

A committee comprising 21 students organized around 27 activities, including promotional, informative and awareness-raising work, encouraging healthy lifestyles and creating active, healthy environments.

### Benefits Club

More than 350 organizations now offer TecnoCampus's student community discounts on products and services.

### Debating League

A total of 17 students took part in the second Debating League, a competition for nurturing oratory skills.

### La Marató de TV3

TecnoCampus's charity walk raised €5,100 for TV3's annual charitable event.

## Research

TecnoCampus's research groups focus on the areas of activity of the institution's three schools. Their work results in the publication of scientific articles and in presentations at national and international conferences.

**43**

Publications in indexed journals

**61**

Papers presented at research conferences

**31**

Papers presented at conferences in Spain

**30**

Papers presented at international conferences

### TecnoCampus research groups

#### TecnoCampus School of Engineering and Technology

- Sound, Silence, Image and Technology (SSIT)
- Research Group on Alternative and Renewable Energy, Sustainability, Energy Efficiency and Industrial Technological Innovation (GRESIT)
- Signal and Data Processing Group

#### TecnoCampus School of Social and Business Sciences

- Group for Applied Research in the Financial, Economic and Social Environment (GRAEFES)

#### TecnoCampus School of Health Sciences

- Research Group on Care for Chronicity and Innovation in Health (GRACIS); formerly "Research Group on Care for Chronicity and Ageing" (GRACE)
- Research Group on Physical Activity, Performance and Health (AFIRS)



**FEBRUARY** 2017

### Som Hackathon

A project on optimizing bus occupancy won the prize at the first Som Hackathon, which had 53 participants in all.



**MARCH** 2017

### Education Fair

Over 60 students and lecturers from TecnoCampus's three schools attended to more than 2,500 prospective students with an interest in the institution's technology, business and health studies.



# The TecnoCampus technology park

The TecnoCampus technology park supports Mataró's industrial fabric. It acts as an incubator for new businesses and hosts companies in the TCM2 and TCM3 buildings, which are both fully occupied.

**122**

Hosted businesses and institutions

**733**

Workers employed by the park's businesses

**98%**

Park occupancy

**15**

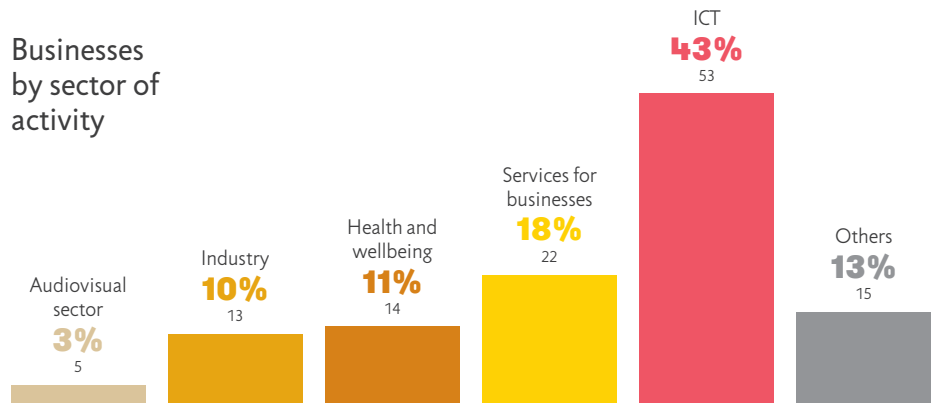
Businesses in the incubator

**4**

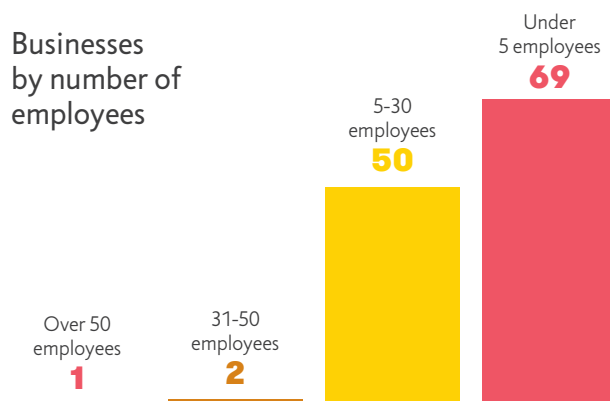
Hosted institutions:

- Pimec
- Barcelona Chamber of Commerce (Maresme branch)
- Fagem
- Gentic

## Businesses by sector of activity



## Businesses by number of employees



The park's businesses are mainly SMEs, and they chiefly operate in technology-related sectors.

## Conference Centre

**370**

Events held

**27.000**

Attendees



**APRIL** 2017

### TecnoCampus 2022 Strategic Plan

The plan launched efforts to establish the TecnoCampus district as a focal point for growth and identified the main areas of action for the coming years. The document is the product of an extensive participatory process.

Pla estratègic  
TecnoCampus  
2022



**MAY** 2017

### Go Global

Nine businesses took part in the technology park's first Go Global programme for supporting the internationalization of start-ups and SMEs.





# Entrepreneurship

## Services for entrepreneurs

TecnoCampus's entrepreneurship programmes provide training, information and guidance to enable entrepreneurs to carry out their projects with a greater guarantee of success.

**510**

Entrepreneurs assisted

**62**

Businesses created

**60**

Training sessions

## Creatic Awards

These awards are issued to the best business initiatives in the technology and innovation arena. They were organized for the 16th time in 2016-17, when a total of 34 projects were put forward for consideration, including nine in the university entrepreneurship category.

FIRST PRIZE FOR BEST IDEA

**PocketPiano**

Full-size professional piano keyboard made with smart textiles.

SECOND PRIZE FOR BEST IDEA

**OCENAV ATM105**

Remote control for sailing boats.

FIRST PRIZE FOR BEST START-UP

**VessConnect**

Surgical device for simplifying anastomosis.

SECOND PRIZE FOR BEST START-UP

**SKIVERSE**

Booking engine for ski resort products and services.



## Promotion of entrepreneurship

### Weekend Challenge

A weekend for launching new projects. 55 students took part.

### YUZZ programme

In 2016-17 TecnoCampus participated in YUZZ, a Spanish programme for supporting entrepreneurs, for the first time. A total of 30 projects were put forward for consideration, and 18 of them were selected.

# Industrial fabric

## Oficina Mataró Empresa

A one-stop shop for business services. Supported by the Provincial Council, the project involves the Barcelona Chamber of Commerce, the PIMEC employers' association, the FAGEM business association federation and the CETEMMSA technology centre.

**2,632**

Municipal procedures

**671**

Activity licences processed

## Industrial fabric and business acceleration

TecnoCampus runs various programmes whose impact extends beyond the park to the entire industrial fabric of Mataró and Maresme.

### Pla Embarca acceleration programme

TecnoCampus is one of the seven Start-up Catalonia business accelerators. Each of the 14 businesses that underwent acceleration as part of the programme in 2016 saw an increase in turnover.

### TecnoCampus Go Global programme

Organized between twinned technology parks, this soft-landing programme allows for temporary exchanges of incubated or hosted businesses aiming to establish commercial contacts and open up markets. The programme was run for the first time in 2017, with nine participating businesses.

### Reempresa programme

This new approach to entrepreneurship promotes the continuity of economically viable businesses seeking a change in ownership and management. Between September 2016 and July 2017, TecnoCampus managed 30 cases of businesses whose owners were looking for someone to take over from them.

### CooperaTèxtil

This digital platform features a classified directory of Mataró's textile production services. Its aim is to bring manufacturing orders to the city, and a total of 77 were managed in 2016-17.

### Reimagine Textile Awards

Introduced in 2017, these awards are intended to attract entrepreneurs and start-ups.

BEST IDEA

**Cocoro** (first prize)

**Sensorial Processing Text** (second prize)

**Udesign** (special mention)

BEST START-UP

**Sheekr** (first prize)

**Uttopy** (second prize)

**Yumehub** (special mention)

**JUNE** 2017

### Graduation ceremonies

Over 600 students graduated in 2016-17, 158 of them from the School of Health Sciences, 234 from the School of Social and Business Sciences, and 218 from the School of Engineering and Technology. This was one of the largest classes of recent years.



**JULY** 2017

### Reimagine Textile Awards

An app that combines online shopping and bricks-and-mortar shops won the prize for the best start-up in 2017, when these awards for innovation in textiles were issued for the first time.



# Foundation

The TecnoCampus Mataró-Maresme Foundation has different instruments for managing and promoting the institution. Firstly, it enjoys market recognition, with students and businesses choosing TecnoCampus freely and against a backdrop of fierce competition. Secondly, it has the support of two highly distinguished institutions, Mataró City Council and Pompeu Fabra University.

## MISSION

To contribute to the economic and social growth of the territory linked to Mataró and Maresme, through a comprehensive approach combining training, enterprise, innovation and the generation of knowledge. To that end, the Foundation has two main objectives:

- To consolidate a range of higher education programmes thoroughly geared to professional activity and the personal development of the members of the TecnoCampus community.
- To manage a technology and business park that helps improve innovation, internationalization and competitiveness in companies, as well as acting as a link between the academic and business arenas.

## VISION

Being a standard setter, nationally and internationally, where interrelation between universities and business is concerned. Doing so on the basis of a quality educational experience connected with the business world, and thus cementing TecnoCampus's status as a force for economic and social change and development in the territory linked to Mataró and Maresme.



### Teaching and research staff

School of Engineering and Technology

**84**

School of Health Sciences

**81**

School of Social and Business Sciences

**75**

Total

**240**

### Administrative and service staff

Business services

**10**

General services

**32**

University services

**27**

Total

**69**

### Staff by gender

**44.7%**

Women

**55.3%**

Men

# Governing and management bodies

## Board

### Governing body

On 31 July 2017

#### President

**Dolors Guillén Mena**  
Councillor for economic promotion and innovation, Mataró City Council

#### Vice presidents

**Alícia Romero Llano**  
Member of Parliament of Catalonia (municipal appointment)

**Montserrat Garrido Romera**  
Vice president, Maresme Regional Council (regional appointment)

#### Members

**Mercè Bosch Pou**  
**Juan Carlos Casaseca Ferrando**  
**Joaquim Esperalba Iglesias**  
**Josep Illa Ximenes**  
**Sarai Martínez Vega**  
**Xavier Simón Castells**  
**Carlos Súnico Batchillería**  
**Francesc Teixidó i Pont**  
Representatives of Mataró City Council

**Roser Moré Roy**  
FAGEM  
**Albert Cortada Manchado**  
GENTIC  
**Ambrós Martínez Oliver**  
PIMEC  
Representatives of business organizations

**Gonzalo Plata Jiménez**  
CCOO  
**Lluís Torrents Díaz**  
UGT  
Union representatives

**Carles Ramió Matas**  
Pompeu Fabra University

**Pere Carles Subirà**  
Iluro Foundation

**Xavier Torra Balcells**  
EURECAT

**Xavier Camps Casas**  
**Lorena Molina Raya**  
**Simon Schwartz Riera**  
TecnoCampus Senate

**Ramon Cunillera Grañó**  
Maresme Hospital Consortium

**Miquel Àngel Vadell Torres**  
EPEL Parc TecnoCampus Mataró

#### Non-voting participants

**Pedro Alcántara**  
Secretary  
**Josep M. Canal Codina**  
Director of economic services and treasurer, Mataró City Council  
**Antoni Merino Orejón**  
General manager, Mataró City Council  
**Jaume Teodoro Sadurní**  
General director



## Senate

### Advisory body

On 31 July 2017

#### President

**Simon Schwartz Riera**  
Chosen on the basis of Senate members' votes

#### Vicepresidència

**Lorena Molina Raya**  
**Xavier Camps Casas**  
Chosen on the basis of Senate members' votes

#### Members

**Rosa Lozano Garcia**  
**Ester Rodríguez Mayorga**  
**Alfons Palacios González**  
**Josep M. Raya Vílchez**  
**Joaquim Rios Boutín**  
Members from permanent teaching and research staff and administrative and service staff

**Jordi Bertran Vaqué**  
**Daniel Martín Ruiz**  
**Jordi Monetti Forcat**  
**Sergi Pla Expósito**  
**Alex Rojas Castillo**  
Members from the student and the TecnoCampus Alumni communities

**David Gallemí Bravo**  
**Javier García Gerpe**  
**Joaquim Pons Juli**  
**Salvador Salat Mardaras**  
Members from businesses and institutions linked to the Foundation

**Pilar González-Agàpito**  
**Miquel Reniu Tresserras**  
**Antoni Subirà Claus**  
Members who are local figures of renown

## Steering Committee

### Executive body

#### Steering Committee

**Jaume Teodoro Sadurní**  
General director

**Marcos Faúndez Zanuy**  
Director, School of Engineering and Technology

**Montserrat Vilalta Ferrer**  
Director, School of Social and Business Sciences

**Esther Cabrera Torres**  
Director, School of Health Sciences

**Emma Feriche Bartra**  
Director, Business Area

**Dúnia Alzaga Buixó**  
Human resources director and general secretary of the Foundation

**Luz Fernández del Rey**  
Communication and campus services director

**Joan Gil López**  
Core services director

## Mayors of Mataró and presidents of TecnoCampus

Mayors of Mataró

**Manuel Mas**

**Joan Antoni Barón**

**Joan Mora**

**David Bote**

Presidents of TecnoCampus

**Pilar González-Agàpito**

**Alícia Romero**

**Miquel Rey**

**Dolors Guillén**

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

TecnoCampus unites the university and business arenas in a single space devoted to innovation and entrepreneurship. Based in the city of Mataró, in the region of Maresme, and with ambitions to be a national and international project, TecnoCampus is the institution through which the territory in question aims to contribute decisively to economic and social change.

[www.tecnocampus.cat](http://www.tecnocampus.cat)

 tecnocampus

 @tecnocampus

 @viueltecnocampus

 TecnoCampus Mataró

Fundació TecnoCampus  
Mataró-Maresme  
Avinguda d'Ernest Lluch, 32  
08302 Mataró (Barcelona)  
Tel. 93 169 65 01