UNIVERSITAT POLITÈCNICA
DE CATALUNYA
UPC BARCELONATECH

We are **UPC**

The **Universitat Politècnica de Catalunya · BarcelonaTech**
is a public institution of **Higher Education and Research**, specialised in the
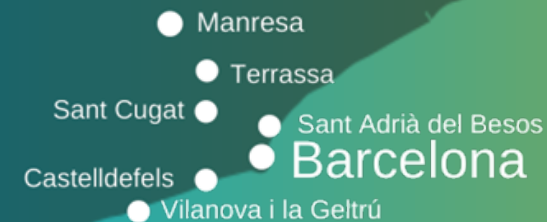areas of **Architecture, Engineering, Science and Technology**

我们是UPC！

加泰罗尼亚理工大学·BarcelonaTech

一所致力于高等教育和研究的公共机构，专注建筑、工程和科技领域

A hub for Education, Research, Innovation and Internationalisation. - 教育、科研和国际化中心

… The Southern gateway to Europe - 南欧门户
… Mediterranean Capital - 地中海之都
… Bridge to the Maghreb - 马格里布联盟桥梁
… Platform for links to Latin America - 直连拉美平台

Barcelona
巴塞罗那

1 636 732	Inhabitants - 人口
3 719 096	Inh. Metropolitan Area - 市区人口
112,4	GDP per capita (Index EU27=100) - 人均GDP（UE27=100）
66 436 346	kTn harbour total transit (2021) - 年港口吞吐量（吨/2021年)
52 657 600	Airport passengers (2019) - 机场旅客吞吐量（2019年
471 885	Companies (BCN region) - 企业（巴塞罗那省)
8 908	Foreign companies (Catalonia) - 外资企业（加泰罗尼亚大区)

18
Schools - 学院

30
Departments - 院系

141
Research groups - 科研团队

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Fields - 专业领域

- Architecture and Urban Planning - 建筑学和城市规划
- Aerospace Engineering - 航天航空工程
- Agricultural and Biosystems Engineering - 农业和生物系统工程
- Civil, Environmental and Geological Engineering - 土木工程、环境和地质工程
- Computer Science - 计算机学
- Engineering for Industry: 工业工程 - Energy, Biomedical, Chemical, Electrical, Materials and Mechanical, Naval, Maritime and Nautical Engineering, Telecommunications and Electronic Systems Engineering - 能源、生物制药、化学、电气、材料和机械、航海工程、海洋和航海工程、电信和电子系统工程
- Applied Sciences: 应用科学 - Mathematics, Statistics, Physics, Optics and Photonics - .数学、统计学、物理学、光学、光子学

Reputation 全球知名大学

QS World University
Rankings by Subject, 2024
QS世界大学学科排名（2024 年）

Materials Sciences
Statistics & Operational Research
Art & Design
Petroleum Engineering
Mathematics
Computer Science & Information Systems
Engineering & Technology
Mechanical, Aeronautical & Manufacturing Engineering
Telecommunications, Electrical and Electronic Engineering
Civil & Structural Engineering
Art History
Architecture & Built Environment

101-150 | 34-52 | 1-3 | 1-2 | 1-2 | 1 | 1 | 35 | 28 | 88 | 95 | 51-100 | 18-34 | 18-41 | 51-100 | 101-150 | 36-61 | 26 | 11 | 2 | 1 | 1 | 2 | 1 | 25 | 82 | 72 | 28 | 23 | 10 | 1 | 9-18 | 21-40 | 40 | 66

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Reputation 全球知名大学

Shanghai Global Ranking
of Academic Subjects, 2023
上海世界大学学术排名（2023年）
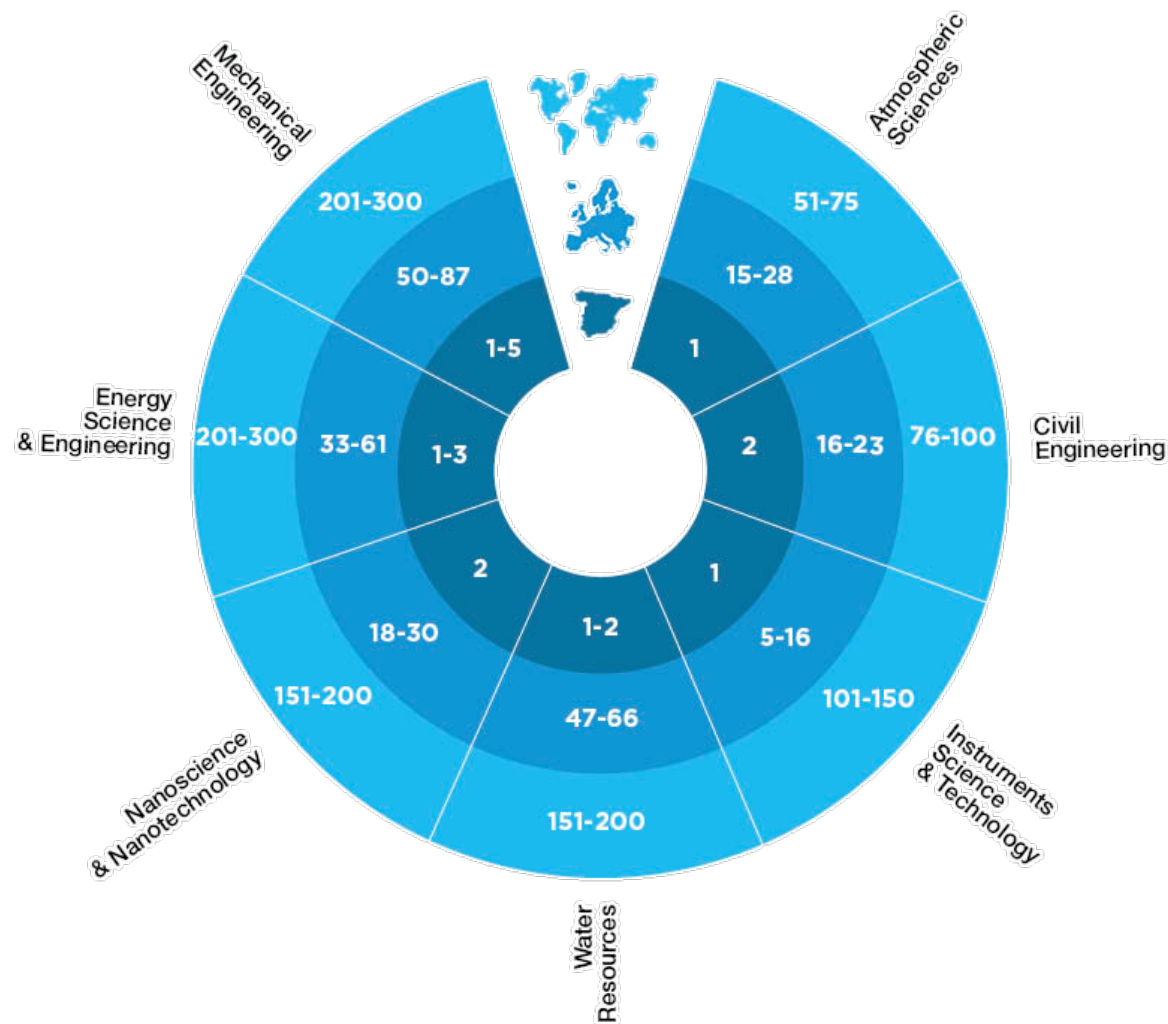
371.9 M€

UPC budget (2023)

371.9亿欧元
2023年度UPC预算

80.9 M€

Projects income R+D+I (2023)

80.9万欧元
2023年度各类科研创新项目收入

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A university **committed** to its **environment** and **society**
坚持开放共享

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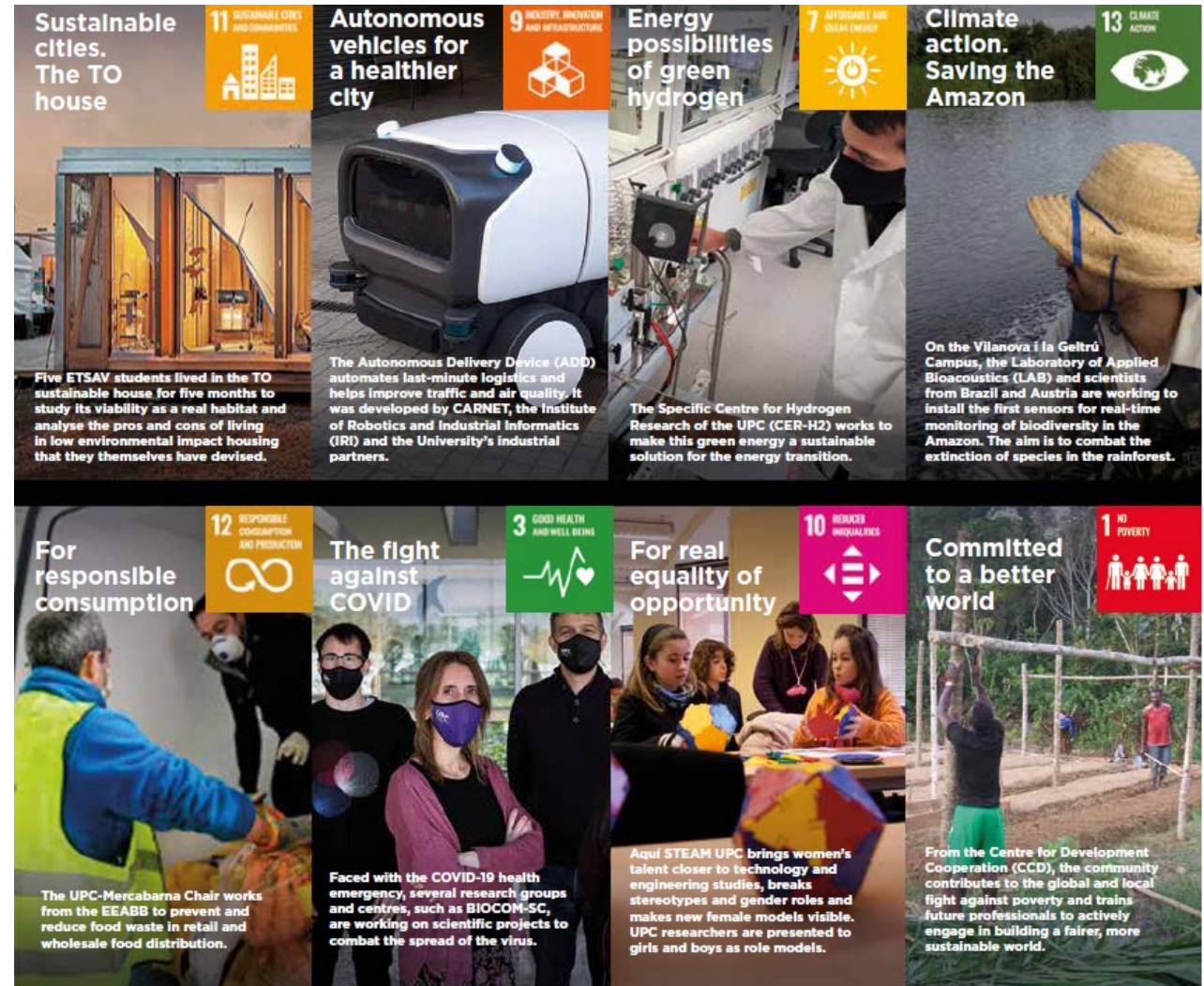**54** development cooperation projects in 25 countries
与25个国家建立的合作项目

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CCD
30 ANYS
Centre de Cooperació
per al Desenvolupament

A university aligned with the
Sustainable Development Goals (SDG)
秉承可持续发展

The Impact Rankings, 2023
World's 'top 50' in the Climate Action SDG 13

2023年度泰晤士高等教育（THE）世界大学影响力排名
我校位列联合国可持续发展目标-气候行动领域世界排名前50强。

Accions UPC per als ODS

Sustainable cities. The TO house
11 SUSTAINABLE CITIES AND COMMUNITIES
Five ETSAV students lived in the TO sustainable house for five months to study its viability as a real habitat and analyse the pros and cons of living in low environmental impact housing that they themselves have devised.

Autonomous vehicles for a healthier city
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
The Autonomous Delivery Device (ADD) automates last-minute logistics and helps improve traffic and air quality. It was developed by CARNET, the Institute of Robotics and Industrial Informatics (IRI) and the University's industrial partners.

Energy possibilities of green hydrogen
7 AFFORDABLE AND CLEAN ENERGY
The Specific Centre for Hydrogen Research of the UPC (CER-H2) works to make this green energy a sustainable solution for the energy transition.

Climate action. Saving the Amazon
13 CLIMATE ACTION
On the Vilanova i la Geltrú Campus, the Laboratory of Applied Bioacoustics (LAB) and scientists from Brazil and Austria are working to install the first sensors for real-time monitoring of biodiversity in the Amazon. The aim is to combat the extinction of species in the rainforest.

For responsible consumption
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
The UPC-Mercabarna Chair works from the EEABB to prevent and reduce food waste in retail and wholesale food distribution.

The fight against COVID
3 GOOD HEALTH AND WELL BEING
Faced with the COVID-19 health emergency, several research groups and centres, such as BIOCOM-SC, are working on scientific projects to combat the spread of the virus.

For real equality of opportunity
10 REDUCED INEQUALITIES
Aquí STEAM UPC brings women's talent closer to technology and engineering studies, breaks stereotypes and gender roles and makes new female models visible. UPC researchers are presented to girls and boys as role models.

Committed to a better world
1 NO POVERTY
From the Centre for Development Cooperation (CCD), the community contributes to the global and local fight against poverty and trains future professionals to actively engage in building a fairer, more sustainable world.

UPC Community
UPC，我们的大学，所有人的大学

3 629
teaching
and research staff
教学和科研人员

1 989
technical,
management and
administration staff
管理和服务人员

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Training the professionals of the future
打造精英摇篮

67 bachelor's degrees

本科专业

91 master's degrees

硕士项目

45 PhD programmes

博士项目

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240 Life-long learning programmes

继续教育项目

88%

of graduates work in less than 6 months

毕业生毕业6个月内就业率

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UPC abroad - UPC 国际战略

- Education: mobility, double degrees, strategic alliances - 教育：国际学生交流交换、双学位项目、战略联盟
- Research and innovation projects - 科研和创新合作项目
- Development Cooperation - 合作共赢、携手发展

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Working in networks - UPC国际合作网络

The UPC in international networks

EUA
(European University Association)

Cluster
(Consortium Linking Universities of Science and Technology for Education an Research)

TIME
(Top Industrial Managers for Europe)

CASA
(Consortium for Advanced Studies Abroad)

SINO-SPANISH CAMPUS
A campus at Tongji University (China) composed of the UPC, the Universidad Politécnica de Madrid, the Tecnológico de Monterrey and the Universidad de Sevilla.

UNITE!
(University Network for Innovation, Technology and Engineering)

TELESCOPI
(Red de Observatorios de Buenas Prácticas de Dirección y Gestión Universitaria en Latinoamérica y Europa)

HERITAGE Network

RedEmprendia
(Red de universidades iberoamericanas emprendedoras)

UNITECH
(Network of technological universities and European companies)

CINDA
(Centro Interuniversitario de Desarrollo)

GUNI
(Global University Network for innovation)

CESAER
(Conference of European Schools for Advanced Engineering Education and Recearch)

MAGALHAES
(Red de universidades europeas y latinoamericanas)

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Knowledge and Innovation Community (KIC) supported by the European Institute of Innovation and Technology (EIT)
欧洲EIT（欧洲创新与技术学院）-KIC（知识与创新共同体）协同创新模式

1 555

Student exchange agreements with
学生交流协议

695

Higher Education Institutions
高等教育机构

54

International Double Degree
programmes with 30 universities
与30所大学签署的双学位国际合作项目

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2 940

students in international exchange programmes

2 940 参与国际交流项目学生

28%

of master's students are international, 80% of them are from outside the EU

非欧盟国际生在硕士项目中占比率

54%

of PhD students are international, 80% of them are from outside the EU

非欧盟国际生在博士项目中占比率

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Unite!,
the creation of the future European university

Unite !,
让我们共创美好未来！

unite! | University Network for Innovation, Technology and Engineering

- A model of European University of innovation, technology and engineering.

  欧洲大学创新、技术和工程合作新模式。

- A strategic alliance of universities.

  大学间战略联盟

- An inclusive community linked to the territory and its stakeholders.

  兼容并包

280,000
students at Unite! universities (2021)

77,300
graduates of Unite! universities per year (2020)

31,000
journal and conference papers per year (Web of Science, 2020)

223
ERC grants at Unite! universities (2007-2021)

2,630
PhD graduates of Unite! universities per year (2020)

799
Startups founded in the last 5 years
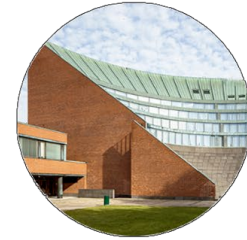
Research to innovate
创新奋斗

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1 924

active agreements and research projects

1 924个合作协议 个研究项目

2 362

papers in scientific journals

2 362 份学术期刊论文

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The UPC, first
State University
in projects
funded through the
Horizon Europe programme

UPC，获"Horizon Europe"
资助项目最多的西班牙大学

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Offering answers to companies
与企业界深度融合

R+D+i
Innovation hubs
Talent (internships in companies)
UPC innovation ecosystem
Industrial Doctorates

I+D+I
创新中心
人才（企业实习）
UPC创新网络
工业博士项目

独角兽的摇篮

THE UPC, A UNICORN INCUBATOR

With nine entrepreneurs and six start-ups valued at over one billion euros or that may be so valued in the next two years, the UPC is one of the top universities at which founders of unicorn companies have trained.

助推加泰罗尼亚
0.3% GDP

GENERATING 0.3% OF CATALAN GDP

The UPC contributed to generating 0.3% of Catalonia's GDP in 2019. For every 100 euros of public funding it received, the UPC returned 601.5 euros to society.
In terms of contribution to the labour market that year, the University directly or indirectly contributed to creating or maintaining 10,371 full-time equivalent jobs.
(Source: Impacte econòmic i retorn social de la UPC. Any 2019)

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2 834

companies
and entities
with collaboration
agreements
签有合作协议的企
业和机构
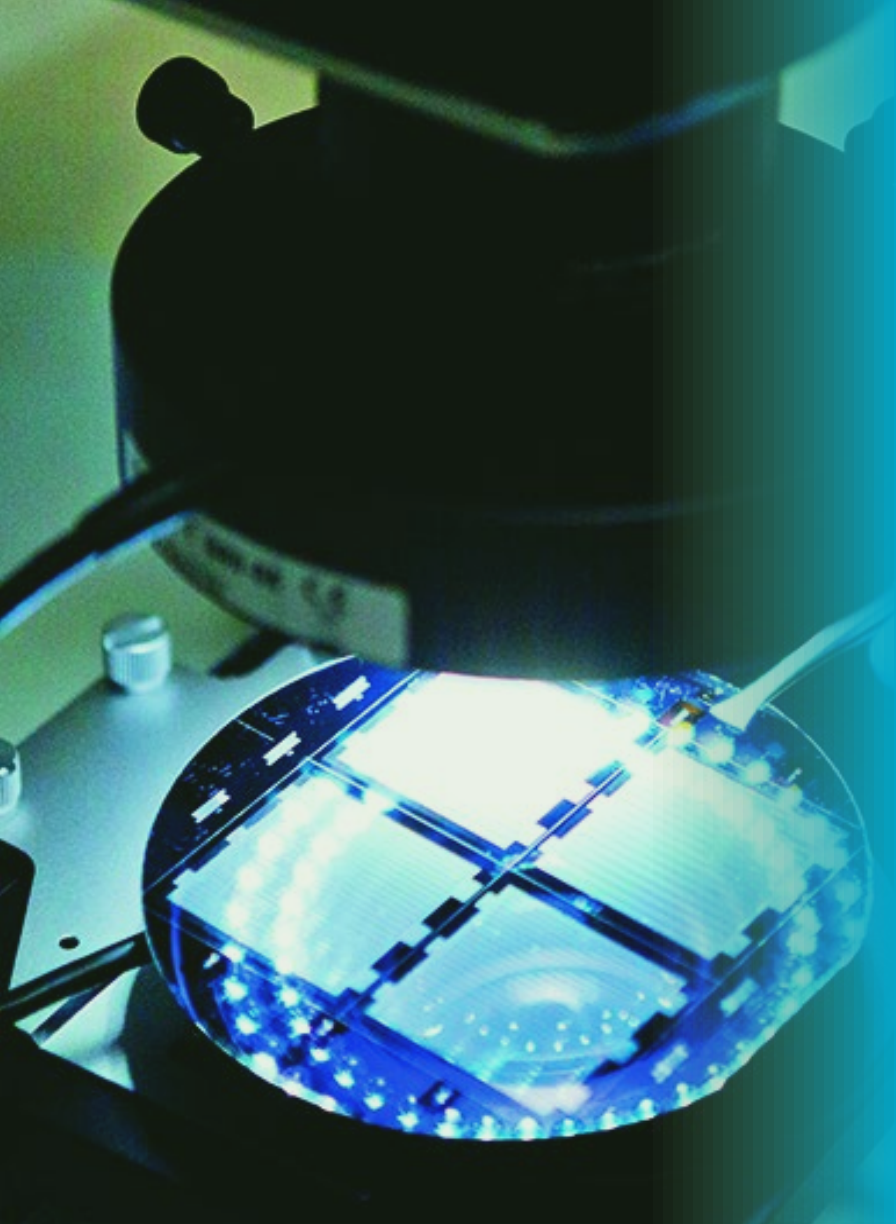
13 patents registered last year
年新注册专利

432 patents and licences in the last 10 years
过去10年注册的专利与国际许可

41 technology-based companies investee
参股科技企业

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103

industrial doctorate thesis

工业博士论文

28.7% of industrial doctorates in Catalonia since 2007 have been developed at the UPC

自2007年以来，加泰罗尼亚地区28.7%的工业博士论文来自UPC