

Campus Carlos III

EXECUTIVE
SUMMARY

Creating Knowledge

Campus Carlos III

Campus Carlos III is an aggregation of different institutions led by Universidad Carlos III de Madrid (UC3M), in order to develop a sustainable interurban campus located in the Madrid Region (Comunidad de Madrid). The aim of the aggregation is international excellence in research, knowledge transfer and teaching in the fields of Social Sciences, Engineering and Humanities.

The institutions that have joined with UC3M to develop this project are the CSIC (National Research Council), 4Universities Alliance, Getafe Teaching Hospital, Gregorio Marañón Teaching Hospital, EADS (European Aeronautic Defense and Space Company) -(Airbus), CIEMAT (Center for Energy, Environmental and Technological Research), Leganés Tecnológico (Leganés Scientific Park), the municipalities of Getafe and Leganés, Comunidad de Madrid, Networks and Materials IMDEAs (Madrid Institutes for Advanced Studies), the Ministry of Health and Social Policy and the Ministry of Housing.

The feasibility of Campus Carlos III (CCIII) is based upon the levels of internationalization and excellence reached by UC3M and reflected in the following indicators:



a) Teaching and adaptation to the European Higher Education Area

I) First public Spanish university to adapt all its programs to the EHEA. Average admissions score of students in 2009/10 is 7.33 (out of 10).

II) First public university to establish dual degrees, transformed in 2009/10 into six dual Bachelor's and three Bachelor's with a minor, adapted to the EHEA.

III) High and growing percentage of students from outside the Comunidad de Madrid: 23.3% in 2006/07 and 29.6% in 2009/10.

IV) Pioneer among public universities in offering bilingual degrees (Spanish/English, since 1994/1995), with 11 bilingual degrees and two in English. Two new Bachelor's in English, Biomedical and Aerospace Engineering, will be offered in 2010/11.

V) Agreements for dual Bachelor's degrees with foreign universities and schools in Europe and USA.

VI) One of five Spanish universities selected in 2009 to teach a new master Erasmus Mundus (EU) and one of the two that will lead a program.

VII) Ranking in "El Mundo" newspaper places UC3M as sixth Spanish university in teaching quality; UC3M is one of the nine Spanish universities included in the German CHE ranking of excellence.



b) Research and knowledge transfer

VIII) First university in the S index, measuring relative success in professor evaluation processes at each university¹.

IX) In the average from 2002 to 2006, UC3M is the second university in research evaluations (sexenios) per tenured professor¹.

X) Second in Spain (2002-06) in international impact publications (Web of Science) per tenured professor (0.833)³.

XI) Second in Spain in Research Projects from the 6th Framework Programme (EU) per 100 tenured professors (2.309)³.

XII) According to various studies, UC3M departments in areas of Economics, Statistics and Engineering figure among the best in Europe.

XIII) Second Spanish university in Research Projects in the National R+D+I Plan per 100 tenured professors (10.46)³.

XIV) First public university in research competitiveness, and second in research effort (Cotec Report on Technology and Innovation in Spain, 2006).

XV) Second Spanish university in percentage of research PhD programs with a quality distinction (84.2%)².

XVI) First institution in number of PhDs with José Castillejo fellowships in 2009/10.

XVII) 591 contracts signed with companies in 2008 (1.25 contracts per tenured professor).

XVIII) 24 Chairs endowed by companies.

XIX) The UC3M Scientific Park has 34 spin-offs of its students and faculty, and three joint transfer and research centres with public entities and companies.

¹ Report on Evaluation Results of the National Commission for the Evaluation of Research Activity: the situation in 2009. <http://ciencia.micinn.fecyt.es/ciencia/cneai/files/info2009v5.pdf>

² Report on the state of external quality evaluations in Spanish universities (ANECA, 2008). http://www.aneca.es/media/339105/informe_calidadenunis08_090623.pdf

³ Proceedings of the V Forum on Evaluation of Quality in Higher Education and Research. San Sebastián, 2009. <http://www.ugr.es/~aepc/Vforo/presentacion-Elias.pdf>

c) Transformation of the campus and integration in the surroundings

XX) Extensive use of new technologies: 100% Wi-Fi campus; more than 1,000 computer terminals; 80 engineering laboratories; 5 radio and TV studios.

XXI) Wide array of cultural, sports and volunteer activities: agreements with the Madrid Teatro Real, Fine Arts Center and the Teatro del Liceo in Barcelona.

XXII) Promotion of equality: pioneer in measures to eliminate barriers affecting professional careers of women. Corrective factors used in calculating teaching and research productivity for maternity and child care.

XXIII) Program to improve accessibility and eliminate barriers in effect since 2000 through agreements with ONCE and IMSERSO. The Integration of Disabled Students Program (PIED, created in 1996) made UC3M a pioneer in Spain.

XXIV) Sustainability and Energy Savings Plan mean significant savings per user in consumption of electricity, water and paper; increase in use of recycled paper; decrease in CO2 emissions.

XXV) Transparency in Financial Management: since 2006, the external audit of the annual report it is totally clean, without exception.

Basic Lines of Action

These achievements are the result of the four basic lines of action which comprise the CCIII plan:

1) Attraction of talent

- Chairs of Excellence Program, co-financed by Banco Santander, provides 6 or 12 month stays for renowned international researchers. 16 professors participated in 2008/2009 and 17 in 2009/2010.
- Yearly public call for 40 two-year postdoctoral stays at UC3M for PhDs from other universities.
- Yearly sabbatical program (2% of tenured faculty) and mobility grant program for young PhDs and pre-doctoral researchers.
- More than a third of students doing Master's or thesis work receive university financing.
- Annual Awards for Excellence given by the Board of Trustees, with the support of Banco Santander, for young researchers, alumni, top students, and staff.
- Economic incentive program for the third of most competitive faculty members based on publications, research (sexenios, competitive projects and theses supervised) and quality of teaching.





2) Internationalization

- Plan to increase the number of ERASMUS students, incoming and outgoing and to recruit students from Asia, especially China.
- International research staff: over 13% hold non-Spanish nationality.
- Wide program for foreign visiting professors teaching undergraduate and graduate courses in English.
- EUROCIENCIA aid from the Ministry of Science and Innovation in two consecutive calls, receiving in 2009 one of the largest grants awarded to increase CCIII's presence in EU programs, committees and advisory groups.
- High level of participation and leadership in international calls, both in EU Framework and other European Programs (ESA, Euroatom, etc.), and international programs (IMS).
- International master's: 20% of our master's are taught in English and 35% of students come from abroad.

3) Interdisciplinary approach

- Fostering dual undergraduate and graduate degrees.
- Compulsory subjects in Humanities and General Basic Skills for all students.
- Fomenting interdisciplinary postgraduate studies.
- Interdisciplinary research institutes, with participation of professors from different knowledge areas.
- Start up with CSIC of joint multidisciplinary (engineering, law and economics) research centre for Global Change.

4) Innovation and quality

- Pioneer in Quality methodologies for supervision and promotion of improvement actions in all areas (Quality Committee created in 1994).
- Project underway to study and draw up a Global Accessibility Plan.
- UC3M is one of five public universities to have received approval for its internal quality assurance system for all its campuses within the AUDIT program.
- Social Orientation and Action Plan aimed to encourage academic and social integration of students, promote acquisition of social values and healthy habits, and support volunteer activities.

Campus Carlos III



Emerging or consolidating

- Humanities in the 21st century.
- Biomedical engineering.

Objectives

The principle aims of Campus Carlos III are:

- I) Promotion of Postgraduate studies, from 13 to 20%.
- II) Doubling Campus Carlos III housing capacity in Getafe.
- III) Developing 2nd phase of Leganés Scientific Park.
- IV) Increase research capacity of the university as a whole by supporting the strategic lines.
- V) Promote creation of interurban, sustainable Campus as an energizing force in surrounding area in the Comunidad de Madrid.
- VI) Culmination of Campus Carlos III adaptation to the European Higher Education Area.

Strategic lines

The strategic lines of action of CCIII correspond to the following areas:

Consolidated

- Economic Analysis.
- Industrial Technologies.
- Information and Communications Technologies
- Law in the knowledge society.
- Mathematical and statistical methods.

Specific actions

The specific actions to be carried out to achieve CCIII objectives are:

- I) New building for the Postgraduate Center.
- II) New Student Residence Hall.
- III) Development of 2nd phase of Scientific Park.
- IV) Recruitment of international professors of excellence and the creation of new infrastructures.
- V) Adaptation of Campus for sustainable development and accessibility.
- VI) Modification of Campus infrastructures to adapt them to the European Higher Education Area model.

The estimation of resources for these actions is:

AREAS	(Thousands euros)	2009	2010	2011	2012	TOTAL
a) Teaching improvement and adaptation to EHEA		6.775	6.106	4.206	2.505	19.592
b) Scientific improvements, knowledge and technology transfer		8.348	13.811	13.020	21.019	56.198
c) Transforming campus for social integration and integration between campus and surroundings		4.250	8.732	8.580	6.100	27.662
TOTAL		19.373	28.649	25.806	29.624	103.452



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