



“The UCM as an International Research Institution: Special Attention to the Humanities”

Prof. Isabel Durán.



Marie S Curie Actions

- ERC Grants





- 1. National Public Funding**
- 2. European Public Funding (ERC)**
- 3. Commitment and Organizational capabilities to promote research excellence**



■ NATIONAL PUBLIC FUNDING

- National Public Funding 2013-2015 (Excelencia + Retos)
- National Public Funding 2013-2015: analysis by Schools



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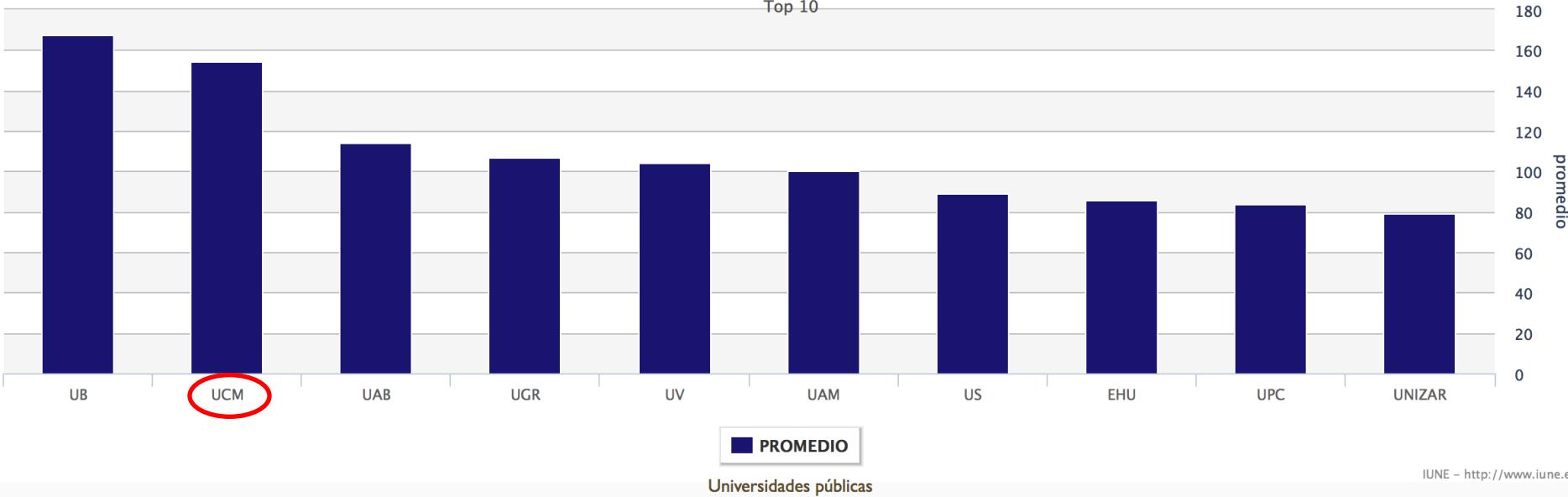
El Observatorio IUNE es el resultado del trabajo realizado por un grupo de investigadores pertenecientes a las universidades que integran la "Alianza 4U": Universidad Carlos III de Madrid, Universidad Autónoma de Madrid, Universidad Autónoma de Barcelona y Universidad Pompeu Fabra.

iune
2016

National Public Funding

Proyectos Nacionales – Universidades públicas

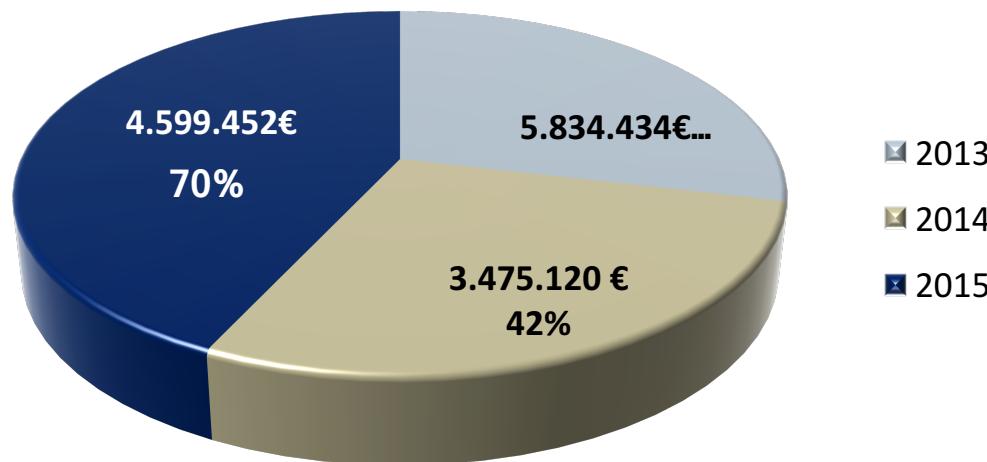
Top 10



IUNE – <http://www.iune.es>



UCM: I+D Excelencia 2013-2015 Budget

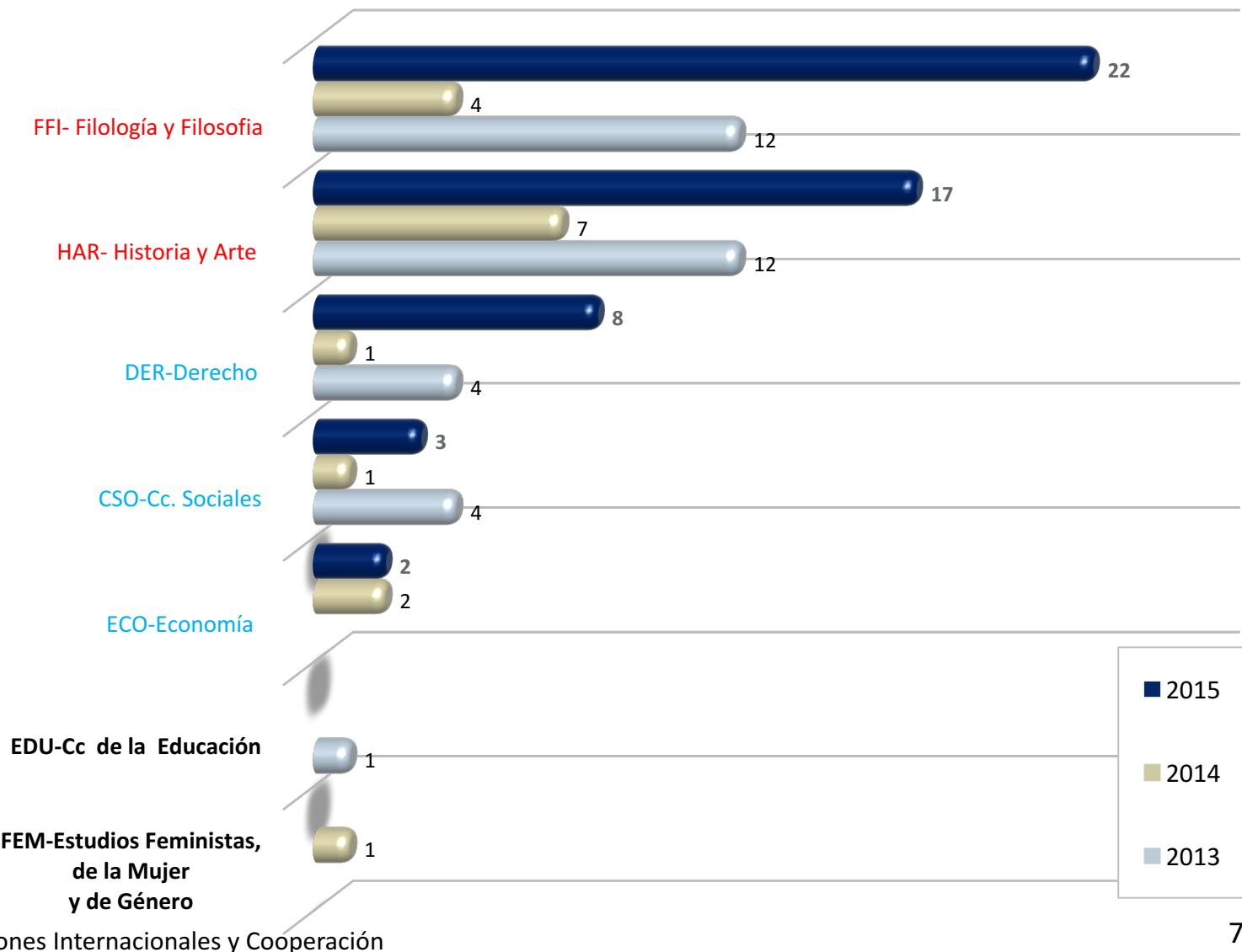


	Solicitados	Concedidos	% de éxito	Importe total	Costes directos	Costes indirectos
2015	112	78	70%	4.599.452 €	3.801.200 €	798.252 €
I+D Excelencia	2014	93	39	3.475.120 €	2.872.000 €	603.120 €
	2013	142	65	5.834.434 €	4.821.846 €	1.012.588 €



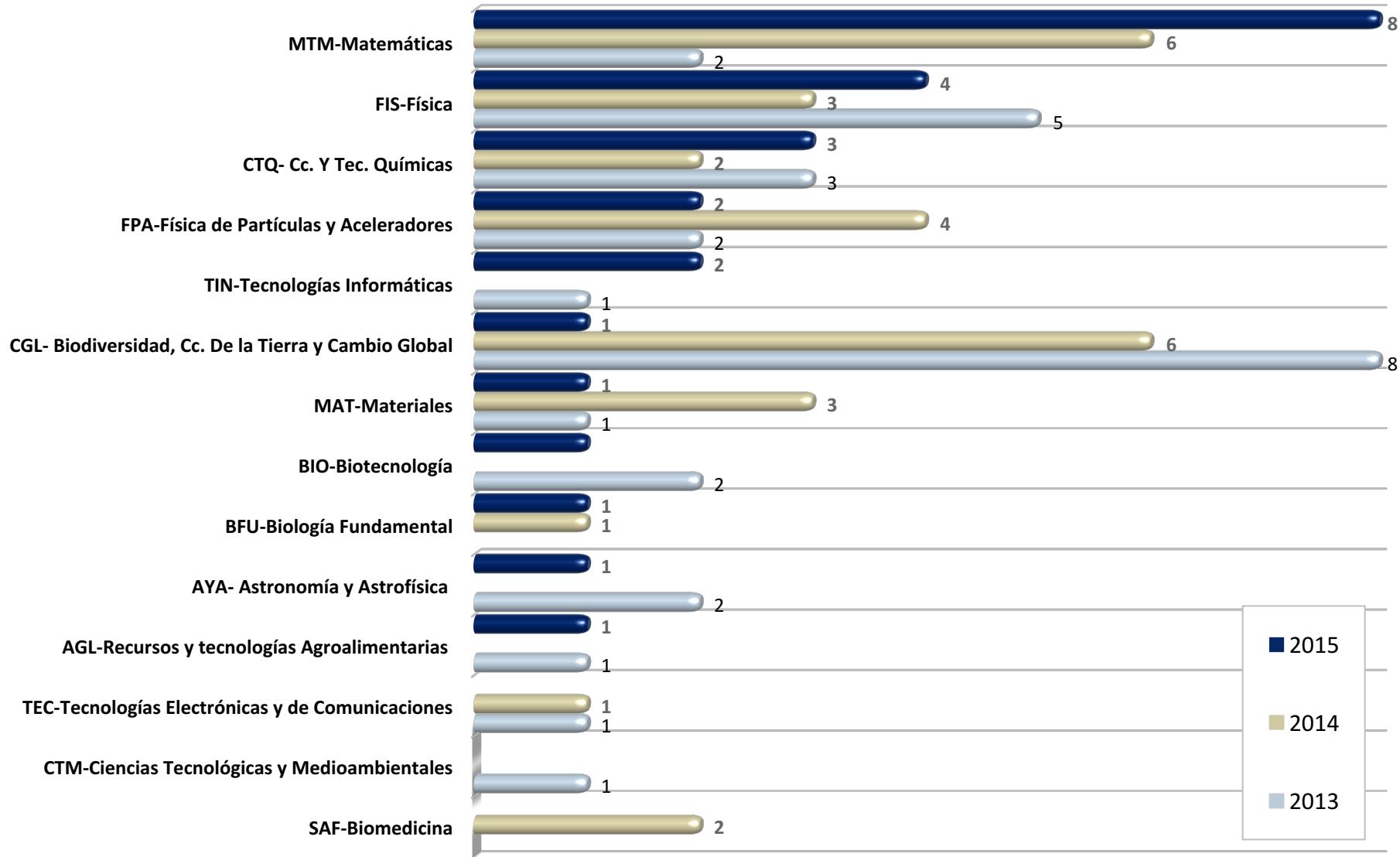
UCM: I+D Excelencia 2013-2015

Social and Humanities (Number of granted projects)



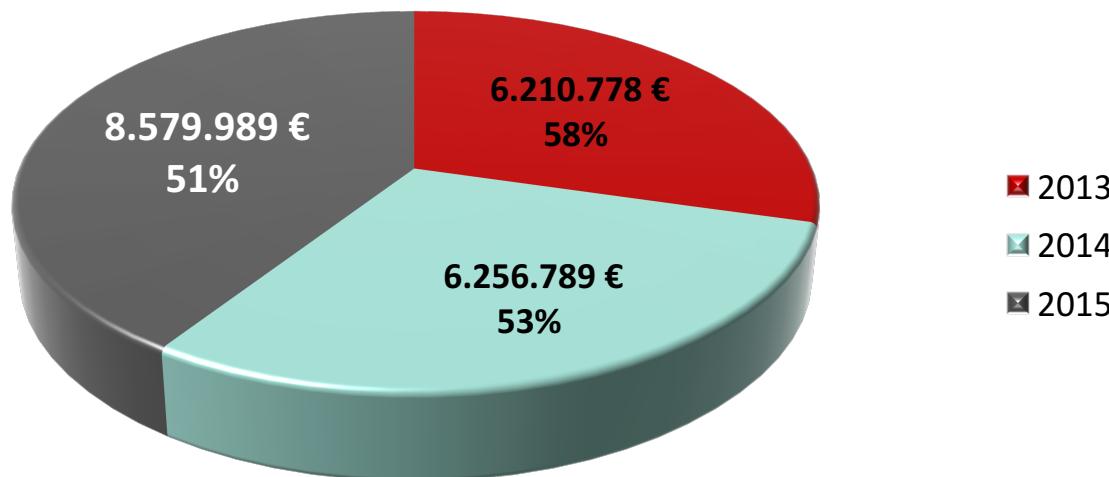


Health and Experimental Sciences (Number of granted projects)





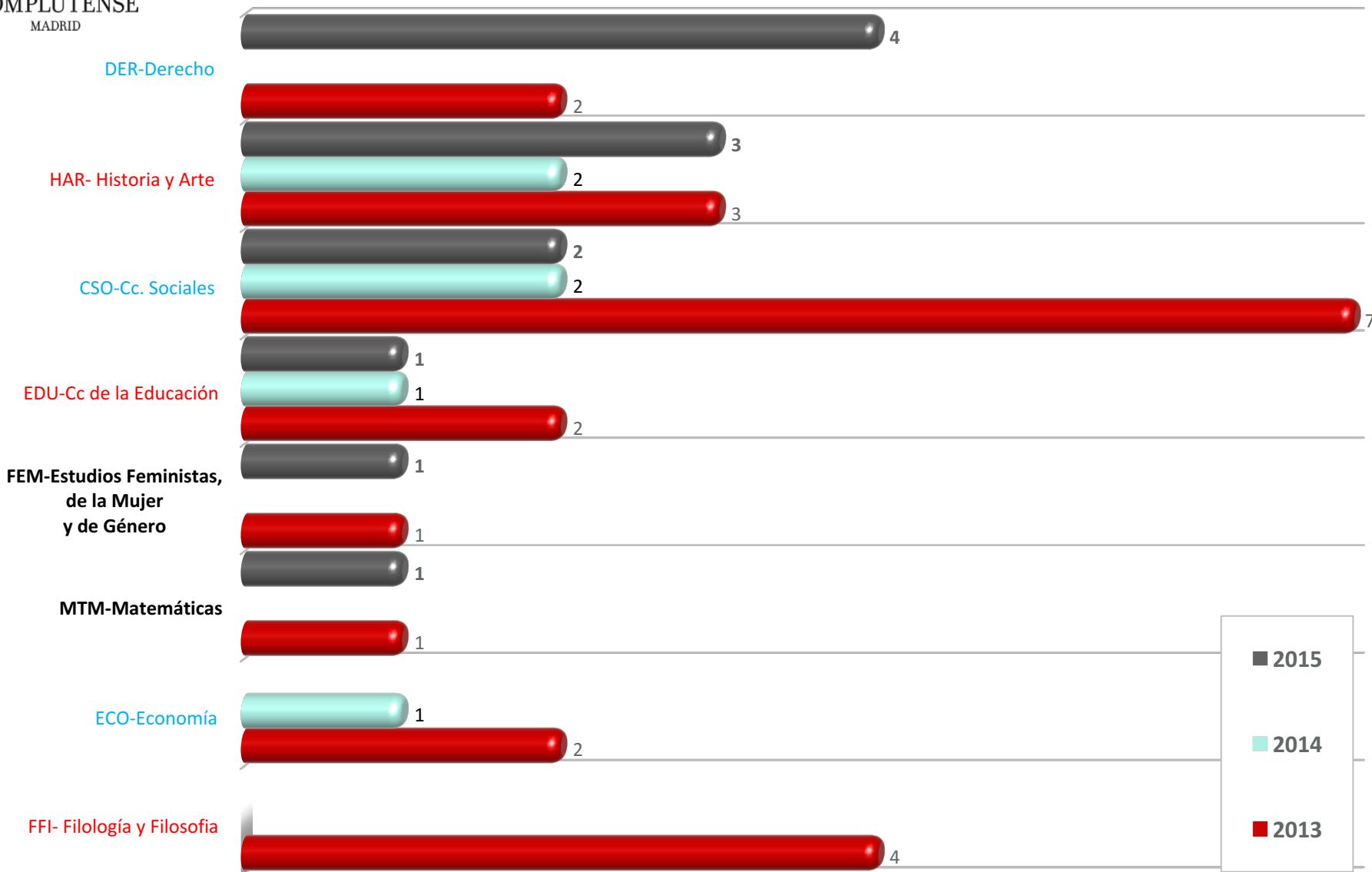
UCM: I+D Retos-Investigación 2013-2015 Budget



I+D Retos- Investigación	Solicitados	Concedidos	% de éxito	Importe total	Costes directos	Costes indirectos
	2015	114	58	51%	8.579.989 €	7.090.900 €
2014	66	35	53%	6.256.789 €	5.170.900 €	1.085.889 €
2013	59	34	58%	6.210.778 €	5.132.874 €	1.077.904 €



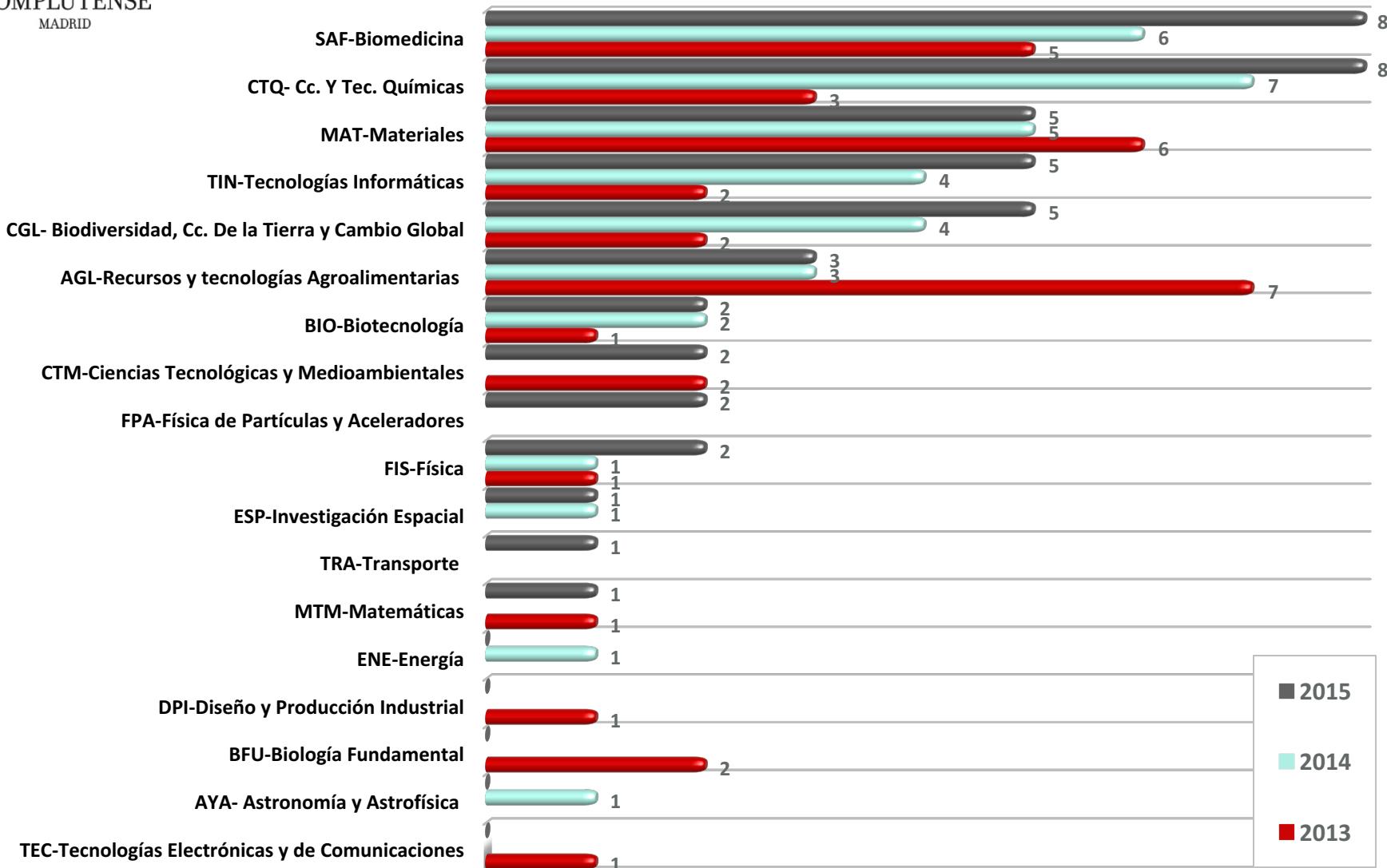
UCM: I+D Retos- Investigación 2013-2015
Social and Humanities (Number of granted projects)





UCM: I+D Retos- Investigación 2013-2015

Health and Experimental Sciences (Number of granted projects)





- **European Public Fundings**
 - Starting Grants
 - Consolidator Grants
 - Advanced Grants

The ERC supports excellence in frontier research through a bottom-up, individual-based, pan-European competition

Budget: € 13 billion (2014-2020) - 1.9 billion €/year
€ 7.5 billion (2007-2013) - 1.1 billion €/year

ERC Grant Schemes



Starting Grants

starters
(2-7 years after PhD)
up to € 2.0 Mio
for 5 years

Consolidator Grants

consolidators
(7-12 years after PhD)
up to € 2.75 Mio
for 5 years

Advanced Grants

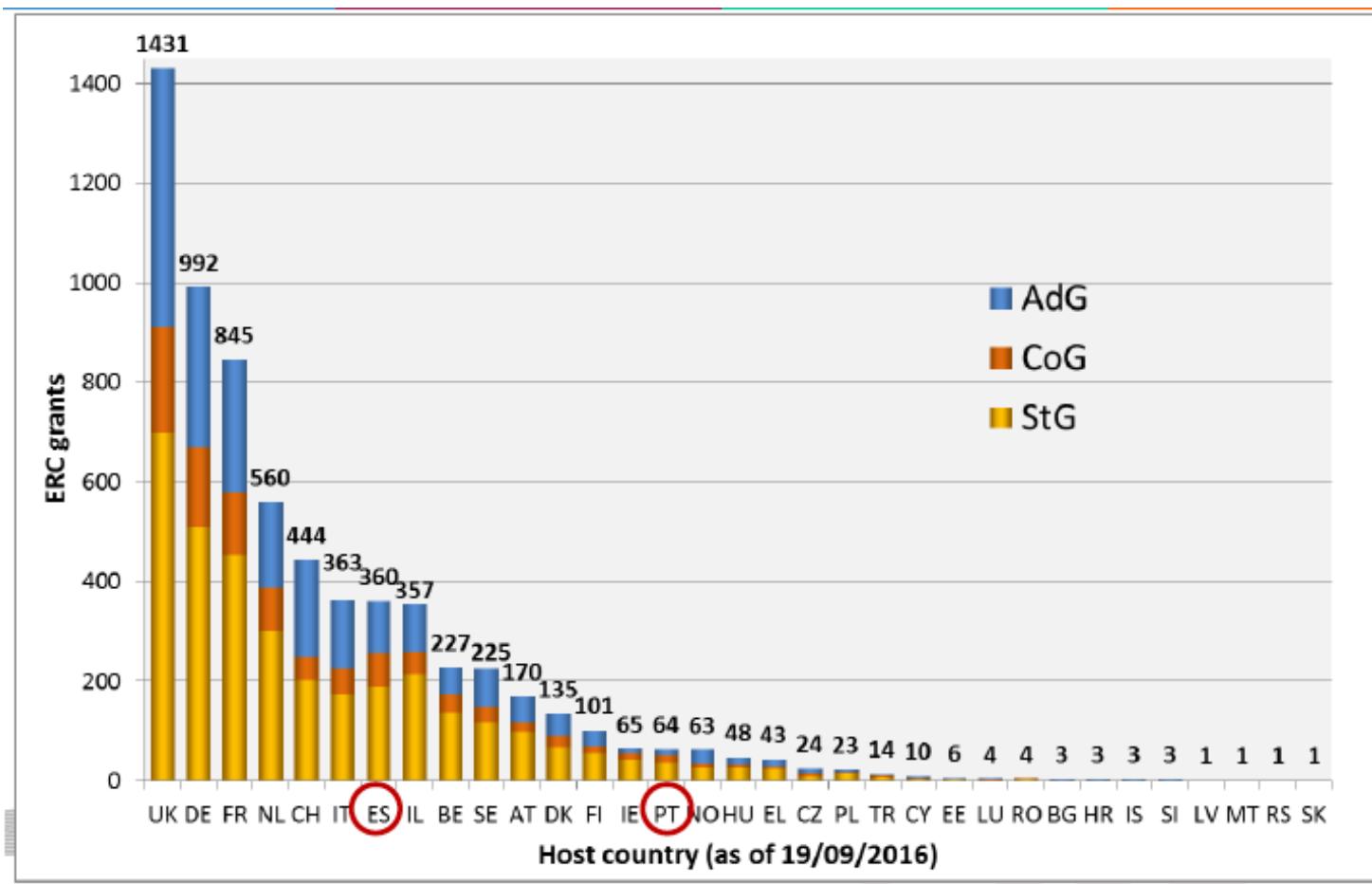
track-record of
significant research
achievements in the
last 10 years
up to € 3.5 Mio
for 5 years

ERC offers independence, recognition & visibility

- to work on a research topic of **own choice**, with a team of **own choice**
- to gain true **financial autonomy** for 5 years
- to negotiate with the host institution the **best conditions** of work
- to attract **top team members** (EU and non-EU) and **collaborators**
- to move with the grant to any place in Europe if necessary (**portability of grants**)
- to attract **additional funding** and gain **recognition**; ERC is a quality label



ERC Funded Projects by Country

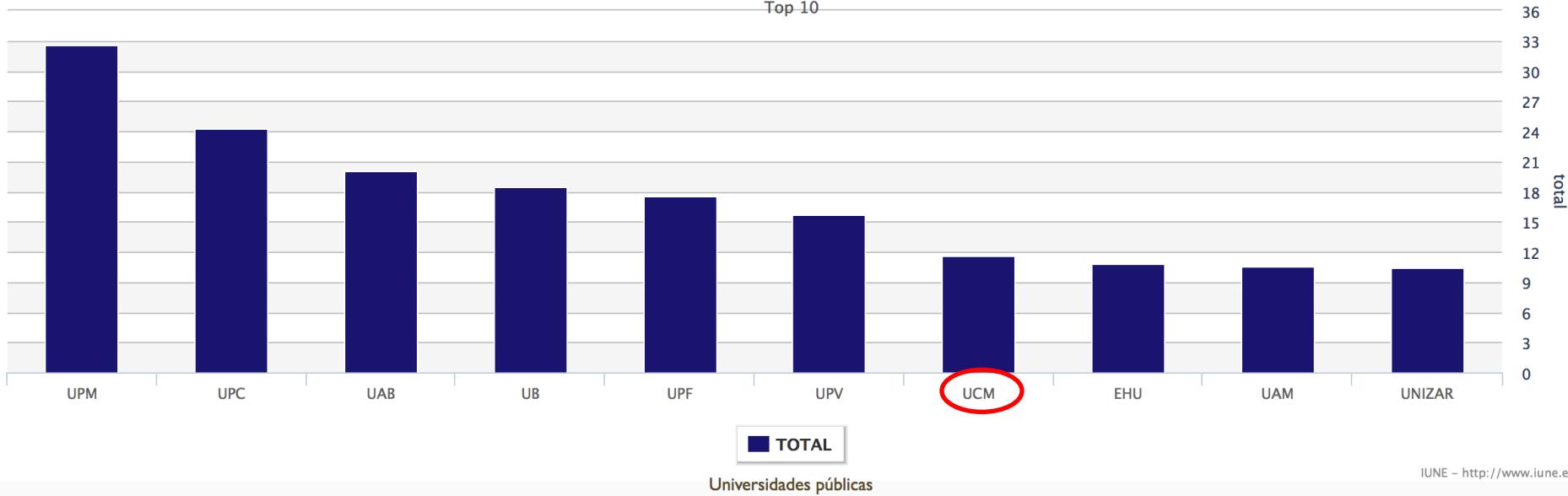




European Public Fundings

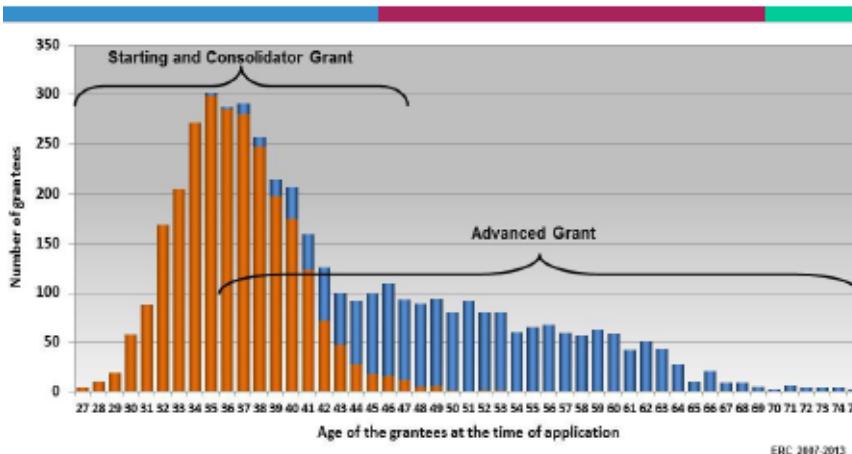
Nº de proyectos de Programas Marco – Universidades públicas

Top 10



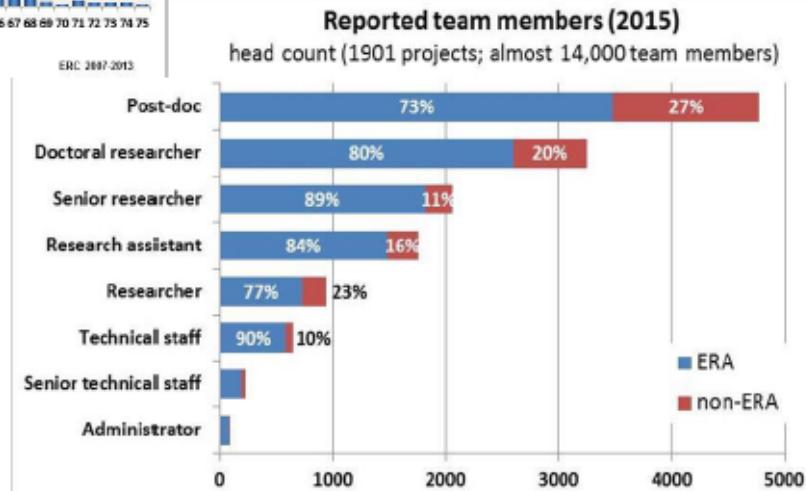


Priority to Young Scientists



Two-thirds of ERC grants to early-stage Principal Investigators.

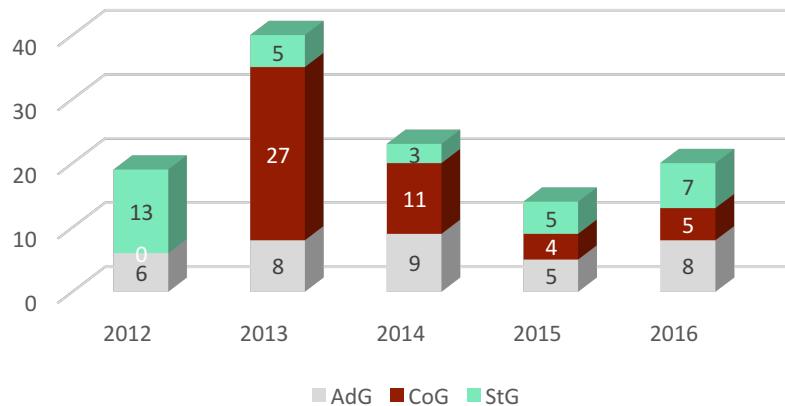
+ 30 000 PhD and post-doc researchers working in ERC teams.



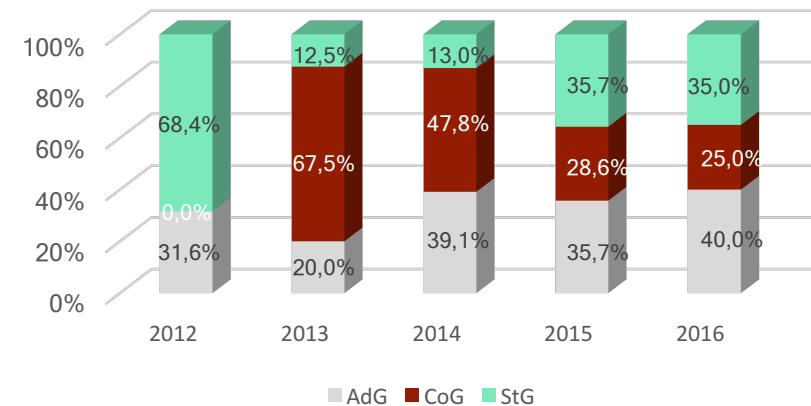
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UCM ERC PROPOSALS 2012-2015

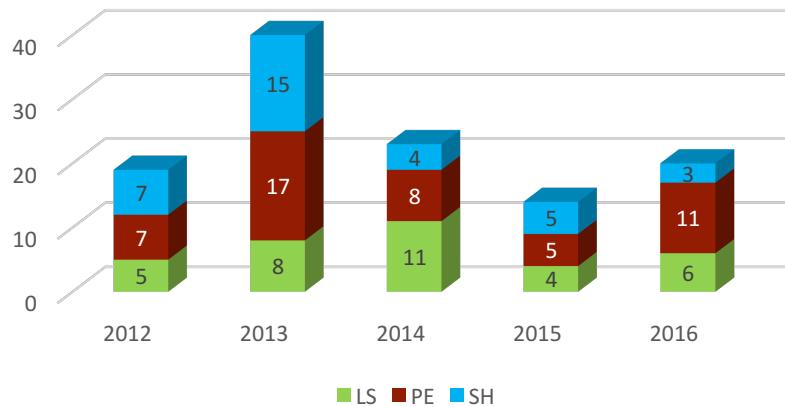
UCM ERC grant proposals



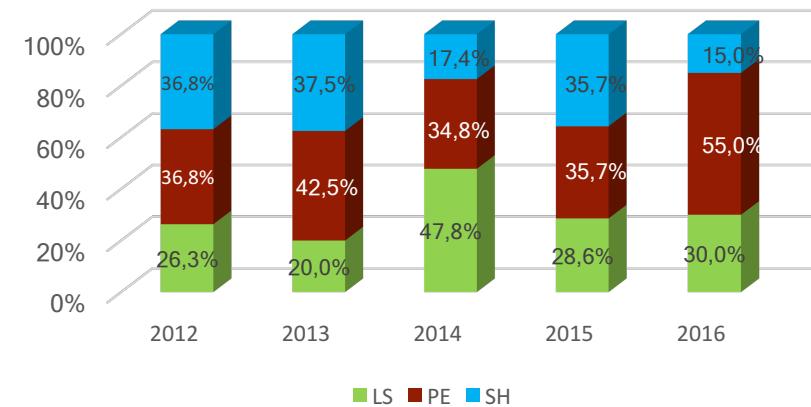
UCM ERC grant proposals (%)



UCM ERC proposals by area



UCM ERC proposals by area (%)





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UNIVERSITY RESPONSES TO EUROPEAN RESEARCH (ERC)

With the purpose of characterizing the different university responses to research, the authors select two dimensions:

- (1) **the commitment** (of the university and its scholars) to ways of acting and responding to research excellence
- (2) **the existence and strength of specific organizational capabilities** associated with the steering and promotion of research excellence in the organization.

The combination of the two dimensions creates **four potential ideal types** of university responses : **committed, hesitant, operational, and neglected.**

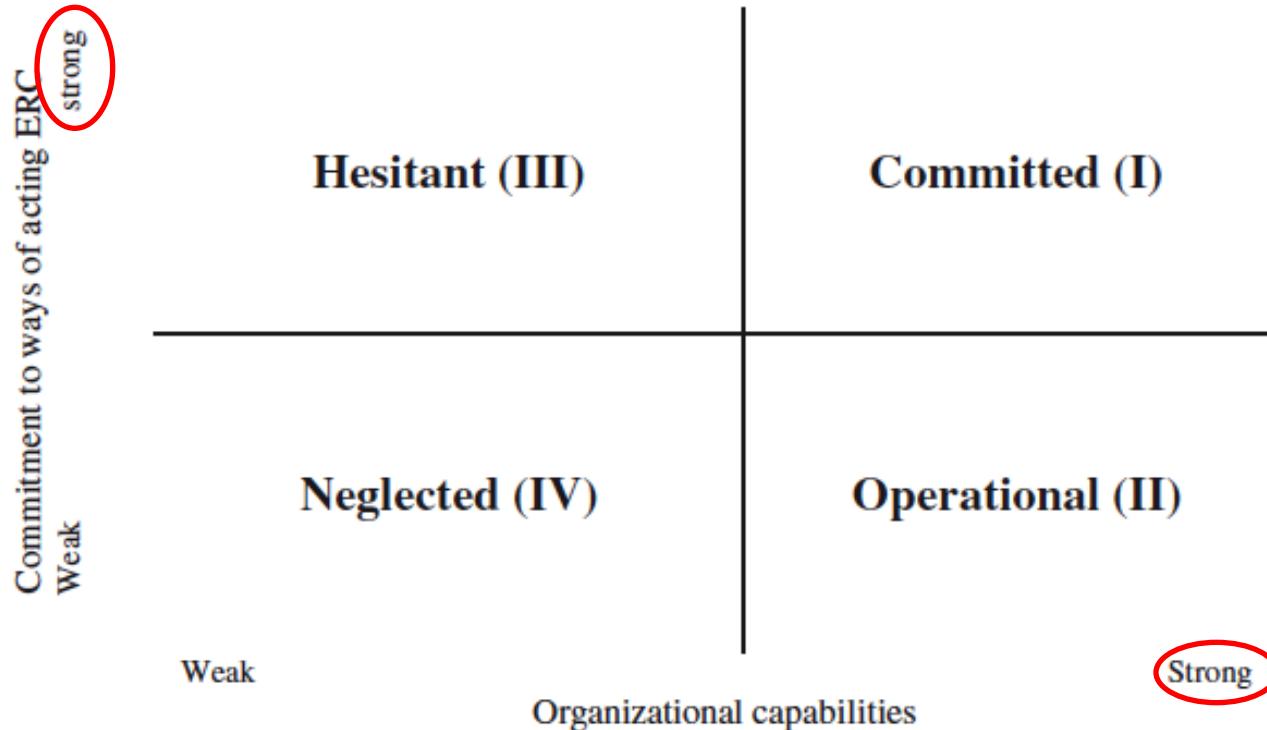


Figure 1. Ideal types of university responses to the institutional logic of excellence and the ERC.



Strong

Commitment to ways of acting ERC (C)

HESITANT

- Universities with few OC
- Solving the problems of managing “*ad hoc*”
- Universities with a limited quantity of resources
- “Collegial” University

COMMITTED

- Universities with strong OC
- Appropriate incentives and rewards
- “Employer” University: distinctive academic recruitment policy

NEGLECTED

- Universities without OC and instruments
- NO incentives neither rewards
- “Teaching” Universities

OPERATIONAL

- Universities starting/promoting OC
- Studying incentives and rewards
- Proactive in identifying and recruiting candidates to compete in the ERC
- Growing (and younger) universities

Organizational capabilities (OC)

Strong

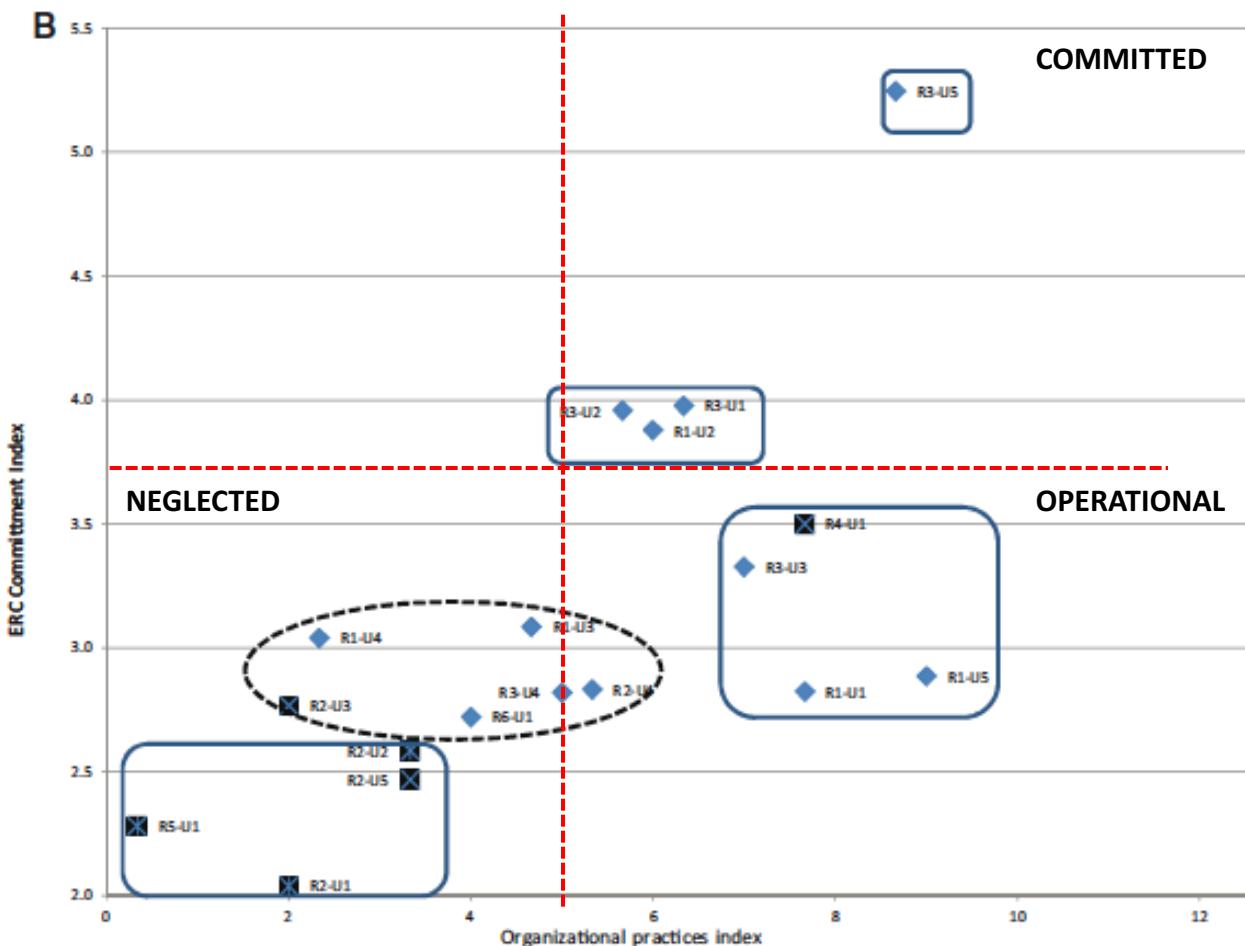


Figure 2. Positioning indicators of selected Spanish universities to account for responses to ERC excellence research model.



CONCLUSIONS (18 SPANISH PUBLIC UNIVERSITIES)

For the group of selected Spanish universities:

- there is a limited presence of **committed** responses (1, <6%)
- most cases are located **in the middle zone**, where the boundaries between hesitant, operational, and even neglected responses are less clear (8, 43-44%)
- there are clear cases of **neglected** ones (9, 50%)

UCM ORGANIZATIONAL CAPABILITIES to PROMOTE RESEARCH EXCELLENCE

INTERNAL CALLS

- Research Projects
- Short stays (UCM Predoc)
- Co-funding Postdocs Fellowships
 - (Juan de la Cierva, Ramón y Cajal, Postdoc Comunidad de Madrid, Madrid+Vision)
- UCM Predoctoral Fellowships (75 fellowships in 2017)
- UCM Postdoctoral Fellowships (30 fellowships in 2017)

INTERNATIONAL CALLS

- RCC PROGRAMS
- California University fellowships (del AMO, others)
- Jean Monnet
- UIU** (Unión Iberoamericana de Universidades): Funded research projects working in joint research ventures

UCM COMMITMENT to PROMOTE RESEARCH EXCELLENCE

- **European Office:** help researchers to apply for ERC and for collaborative projects of H2020 and other international projects (100M)
- **Promotion** and creation of "Transfer companies of university knowledge" (EBT + Humanities and Social)
- **Positions for Researchers of excellence** (20 positions in 2017):
 - **Fast Track** for IP with ERC
 - **Fast track** for project coordinators H2020
 - **Fast track** for researchers with 1.5 times the world average in each area
(they are requirements that skip the waiting list)
- **Stable positions** for RyC grantees
- **Positions** for postdocs as PCD (Profesor contratado Doctor; 10 positions in 2017)
- **Reduction of workloads** for RyC, ERC (Spanish legislation)
- **PDA** with reduction of workloads for research (pending approval)