

Strategically funding excellence under Open Science principles: the María de Maeztu DTIC-UPF Strategic Research Program

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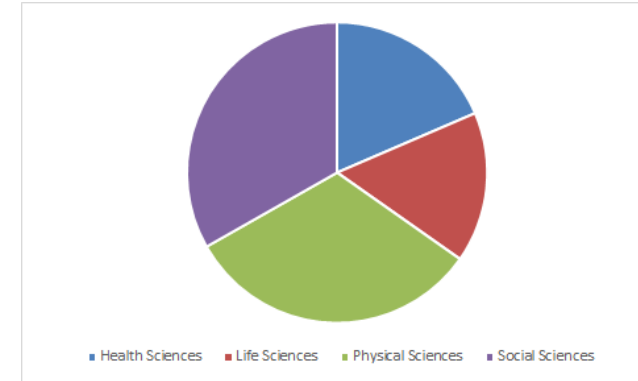


EXCELENCIA
MARÍA
DE MAEZTU

- **COGNITIVE AND INTELLIGENT SYSTEMS**
- **COMMUNICATIONS AND NETWORKS**
- **MULTIMEDIA TECHNOLOGIES**
- **COMPUTATIONAL BIOLOGY AND BIOMEDICAL SYSTEMS**

<https://www.upf.edu/etic>

Scientific articles per Scopus subject area (DTIC-UPF, 2016-2017)



María de Maeztu DTIC-UPF strategic research program on data-driven knowledge extraction

<https://www.upf.edu/mdm-dtic>



Focused on **targeted actions** aiming at maximising our **impact** as a research-oriented **university department** → **Not an Open Science project**

The future of an engineering university department?

- Global, networked, with large private research labs – agility
- Impact of ICT / AI: Inclusiveness, ethical relevance, sustainability

Open science as an element of excellence, covering scholarly publishing, data, software, infrastructure, training, incentives, metrics and public engagement.

Developing a department of open scholars <https://www.upf.edu/web/mdm-dtic/blog/-/blogs/open-s>

1 - Cofund 18 research projects promoting OS principles (1MEUR)

Call and projects <https://www.upf.edu/web/mdm-dtic/projects>

Evaluation criteria including number and impact of accesible and reproducible datasets and software tools

2 - Support 4 exploitation projects based on open approaches (200K)

Projects <https://www.upf.edu/web/mdm-dtic/transfer>

Opening Science to Open Innovation <https://www.upf.edu/web/mdm-dtic/blog/-/blogs/opening-science-to-open-innovation>

3 - Promote transfer and links to open initiatives (50K)



4 – Training, transversal research support, academic “advocacy”

Research data management protocol, training <https://www.upf.edu/web/mdm-dtic/reproducibility-in-research>

Internal / external infrastructures

Research networks (ERC, SOMMA)



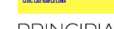
<https://www.upf.edu/web/mdm-dtic/open-science-day-somm-alliance>

5 - Public engagement (focus under-represented communities)

Gender and ICT <https://www.upf.edu/web/mdm-dtic/gender-and-ict>

<https://www.upf.edu/web/mdm-dtic/women-in-technology-day>

Educational projects <https://www.upf.edu/web/mdm-dtic/social-action>



Crowdsourcing

<https://www.upf.edu/web/sounds-of-science/>



Conclusions

- Link distribution of funds to OS objectives to increase global impact
- Success in creating and implementing discourse
 - Ongoing work in aligning all research support to these objectives
 - Pending: influencing core internal processes such as faculty recruitment and promotion