

# The contribution of CERCA to the Knowledge Economy in Barcelona

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## Abstract

The CERCA system includes 39 R&D Centres and the CERCA Institution in the area of Barcelona. CERCA is internationally recognised by its independent centres of excellence, periodically assessed with the mission to achieve the highest level of scientific and technological excellence in their respective disciplines and generate social and economic impact to contribute to the European Knowledge Economy.

CERCA centres have been awarded EU Horizon 2020 projects with an income of 444 million Euros, and they have achieved over 190 ERC grants (including three Synergy ERC grants), and have created over 150 spin-off companies in the last few years.

In 2016, CERCA decided to develop an agreed funding programme with the CERCA centres, to support their knowledge transfer projects, specifically in terms of protecting intellectual and industrial property rights, known as the GINJOL Patents Fund. <https://ginjol.cerca.cat/>

The whole portfolio of companies and patents can be accessed at <https://cerca.flintbox.com/startups>

Between 2015 and 2018 CERCA centres have published 53.170 scientific articles in journals covered by the Web of Science, and 28% of them were done in collaboration with private companies.

CERCA centres have been involved in the genesis of most of the 27 Next Generation Catalan projects developed to boost the Knowledge Economy in the country, i.e. Health 2030, Carbon recovery, Battery Hub, Bio-economy, Mobility of the future, among others.

## FIGURES



**Figure 1:** The European Valley of R&D: Top 10 funded institutions by Horizon 2020. Data source: Horizon Dashboard, December 2020