

Your Open Science and Research Publishing Platform



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Scipedia is an innovative Open Science platform that essentially integrates an advanced online publishing and data management platform within a collaborative social network for researchers and scientific institutions

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- What is meant by Open Innovation?
  - The basic premise of Open Innovation is to open up the innovation process to all active
    players so that knowledge can circulate more freely and be transformed into products
    and services that create new markets, fostering a stronger culture of entrepreneurship.
    Companies should and must make the best use of internal and external ideas, and
    profit from others' use of their IP, and buy others' IP whenever it advances their own
    business model.
  - Open Innovation was El concepto de Innovación Abierta empezó a desarrollarse en los primeros años del siglo XXI a partir de las ideas de Henry Chesbrough.
- And why does Open Innovation come into play?
  - The European Union is still the world's leading producer of scientific knowledge, ahead
    of the United States. However, Europe too rarely succeeds in turning research into
    innovation, in getting research results to market. Too often, new technologies that have
    been developed in Europe are commercialised elsewhere.
  - Europe must get better at making the most of its innovation talent, and that's where Open Innovation comes into play. Will take to create an Open Innovation ecosystem where innovation can flourish.



- What is meant by Open Science?
  - Open Science is the main pillar of Open Innovation. It captures a systemic change to the
    way science and research have been carried out so far: shifting from the standard
    practices of publishing research results in scientific publications towards sharing and
    using all available knowledge as soon as it is generated, even if it is only findings, raw
    data or ideas, so it can be discussed from the initial stages of the research, and progress
    more effectively with the contribution of the scientific community.
  - Open Science represents a new approach to the scientific process based on cooperative work and new ways of diffusing knowledge by using digital technologies and new collaborative tools.
- And what does Open Science imply?
  - Open Access: Fair open accessibility and full transparency of scientific communication.
  - Open Data: Public availability and reusability of scientific data.
  - Open Sources: Software co-created without any proprietary restriction.
  - And in addition: complete scientific collaboration (Open Notebooks), new ways of diffusing knowledge, alternative reputation systems, re-use of all kinds of research products, strengthen dialogue between science and society, etc.
  - Actually, Open Science is a dynamic concept in evolution ...

## open innovation/science facts

- Open Innovation has stop being a buzzword to become an established practice; the market for open innovation projects is estimated to have reached €5 billion in 2015. Just as an example, the open innovation strategy of the multinational Procter & Gamble has allowed it to sign more than 2,000 agreements with technology partners around the world.
- Europe does not want to be left behind in the race, and is launching multiple initiatives to facilitate the transition to the new paradigm. EC strategy for Open Innovation is published in "Open Innovation, Open Science, Open to the World - a vision for Europe", Directorate-General for Research and Innovation of the European Commission (2016).
- Open Data (i.e. data that anyone can access and re-use) has proven benefits for the developed economies (estimated in €140 bn/year for the public sector data in the EU market). A recent EU mandate imposes an obligation to research institutions to efficiently manage and disseminate the results of their activities.
- The European Commission has issued a mandate that requires the publication in Open Access of the results of publicly funded projects (in Spain, Law 14/2011 of 1st June).
- EC's Open Research Data Pilot aims to make the research data generated by Horizon 2020 projects open (starting from 2017 participating in the pilot will be the default for H2020 projects).
- Budget of published (2018-2020) Horizon 2020 calls related to Open Science add up more than €900 million.

## Taller de Scipedia

Sala O.C. Zienkiewicz, Edificio C1, Campus Norte UPC Fecha: Miércoles 21 de marzo, 12:00

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- crear un repositorio vinculado al perfil de una organización
- crear y gestionar una revista
- crear y trabajar con grupos





We will be glad to hear your comments, suggestions or feature requests at:

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