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# VNI

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VNIVERSITAT  
DE VALÈNCIA

## **Current situation of Open Science initiatives in Europe and Spain. University of Valencia initiatives towards Open Science platform development**

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**MINERVA**  2019-2022

Strengthening Research Management and  
Open Science Capacities of HEIs in Moldova and Armenia

**Niza, 22<sup>nd</sup> May 2019**

## Open Science Support from Conference of Rectors of Spanish Universities - CRUE Universidades Españolas

- Common document on 20<sup>th</sup> Feb-19
  - A task force group created in June-18
  - Signed by 76 private and public higher education institutions
- Ten main actions to be implemented in the near future in order to adhere to the Open Science principles of «EOSC Declaration» (Oct-17)

[Click here for full document \(in Spanish\)](#)

Compromisos de las universidades ante la **Open Science**



## Open Science task force group CRUE

1. Diagnose the current status of Open Science in Spain
2. Publicly show the amounts dedicated to access paid electronic resources for research and the costs of publication
3. Estimate the cost of transition from current paid services to immediate open source publication (
4. Include the open Access system in any negotiation with publishers, editors, etc., aiming at a reduced cost.
5. Promote a cultural change in all R+D agents: OS info, ethics, etc.
6. Promote a change in research evaluation and recognition
  - Common work between universities, ministry and evaluation agencies
7. Support the use of new evaluation criteria for Human Resources

## Open Science task force group CRUE

8. Support the deployment of a national infrastructure, federated with EOSC (European Open Science Cloud)
  - Storage, management and publication of research work AND data
9. Active participation in the EOSC stakeholders group
10. Long term and stable CRUE task force group in collaboration with Spanish authorities to analyse and develop criteria leading to effective Open Science in universities and research institutions as well as being active at international level



## Budapest declaration

Already in 2002: Open Access declaration (BOAI)

- Gold Access, Green Access (open-access journals, self-archiving)
- <https://www.budapestopenaccessinitiative.org/>

### Budapest Open Access Initiative

#### Home

#### **BOAI15**

[Toward the Internet of the Mind](#)

#### **BOAI10**

[Translations](#)

#### **Background**

[Read the original BOAI declaration](#)

[Translations](#)

[FAQ](#)

[View signatures](#)

#### Resources

- [Guide to Open Access Publishing and Scholarly Societies](#)  
A guide meant to help scholarly societies - and small publishers - assess the options available to them for the future of their journal publishing programmes.
- [Guide to Institutional Repository Software](#)  
A guide for selecting repository software
- [EPrints Handbook](#)  
A guide to the EPrints repository software package
- [Open Access Journal Business Guides](#)  
Model business plan, and guides for launching and converting to open access
- [Meeting of the Academies of Sciences: Open Access as a Means to Promote Academic Publishing](#)  
Meeting agenda and links to presentations related to promoting open access in academic publishing
- [Survey of Open-Source Electronic Publishing Systems](#)  
Evaluation of open-source electronic publishing systems

## Situation in Spain

Currently, 86 public repositories

A number of 32 institutions created institutional policies to guide R+D units in Open Science publication

Article 37 in the Science, technology and Innovation Law (2-jun-11)

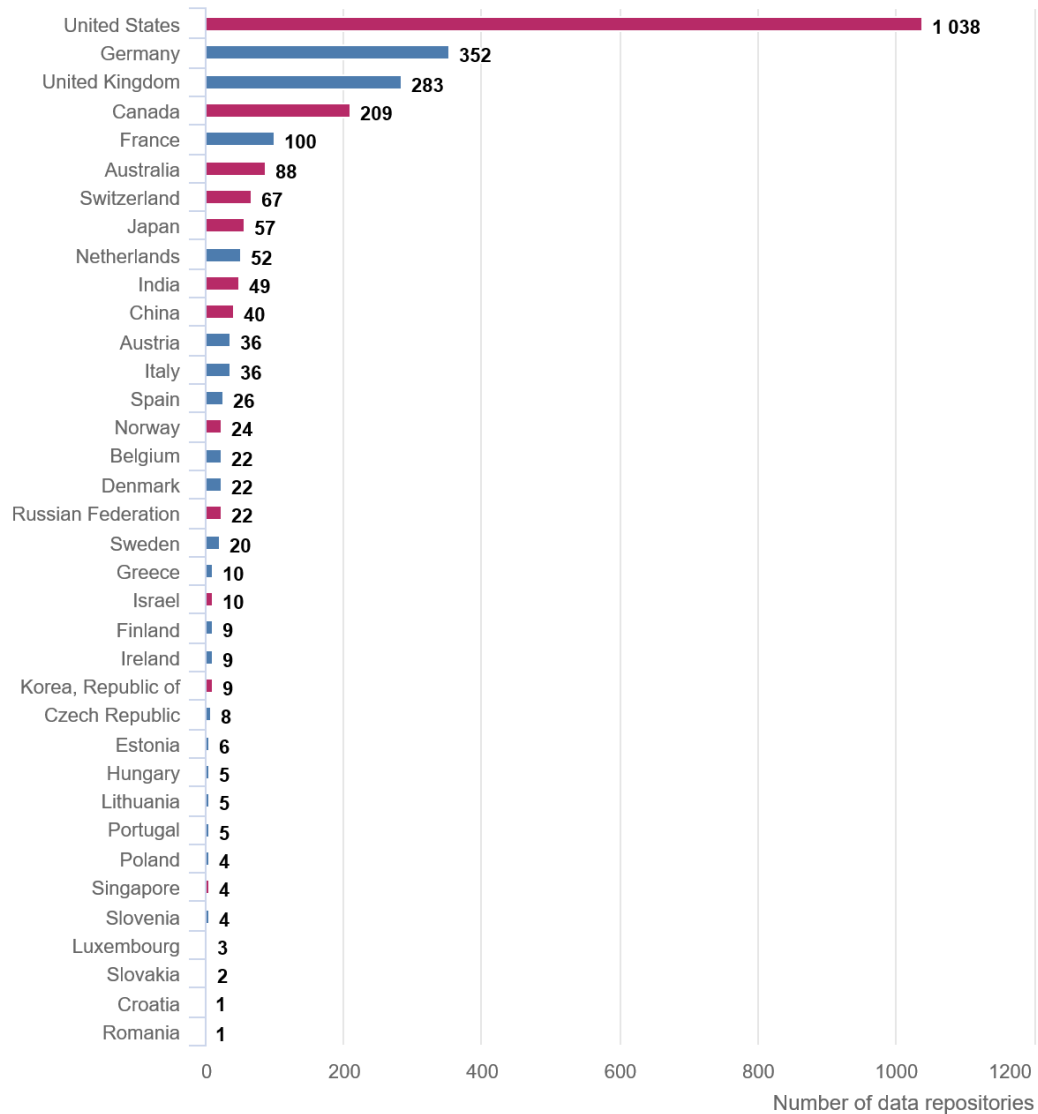
- Open Access in public repositories required when public research funds from government are received

Golden Access not recommended → double fee (APC, suscr.)

# Situation in Spain

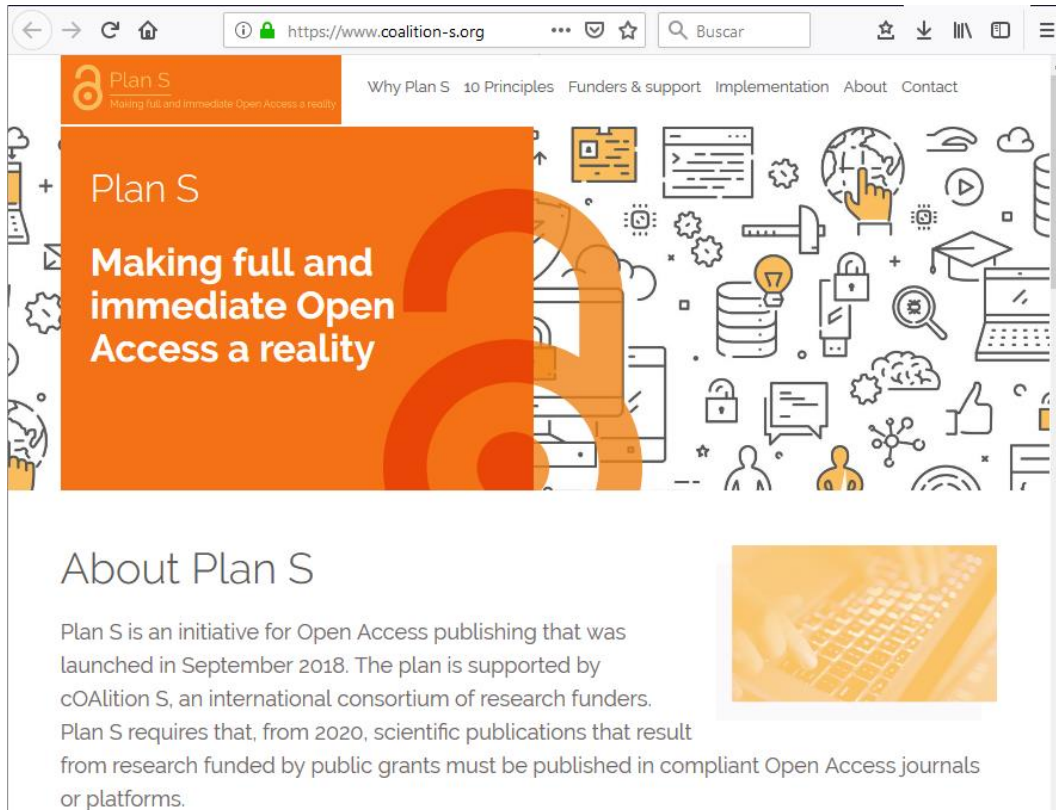
## Number of data repositories, by country

Source: re3data.org - Reference date: March 26th 2019



## Situation in Spain

Currently, estimation of cost at a national level is being done  
Trend to implement a complete Open Access system in 2020



The screenshot shows the Plan S website homepage. The browser address bar displays <https://www.coalition-s.org>. The page features a prominent orange banner with the Plan S logo and the text "Plan S Making full and immediate Open Access a reality". Below the banner, there is a section titled "About Plan S" with the following text: "Plan S is an initiative for Open Access publishing that was launched in September 2018. The plan is supported by cOAlition S, an international consortium of research funders. Plan S requires that, from 2020, scientific publications that result from research funded by public grants must be published in compliant Open Access journals or platforms." The page also includes a navigation menu with links for "Why Plan S", "10 Principles", "Funders & support", "Implementation", "About", and "Contact".

Spain adheres to Plan S  
[Implementation Guide](#)



## Open DATA

- It is estimated that, at least half of research projects make use of an amount of data higher than 1Gb
- DATA are a key research product by making it possible to reuse, compare and evaluate by other researchers
- Apart from publication repositories, huge requirements for data storage, analysis and communications infrastructure will be required: European Open Science Cloud – EOSC (23-nov-18)

The screenshot shows the homepage of the European Open Science Cloud (EOSC) portal. The browser address bar displays <https://www.eosc-portal.eu>. The page features a navigation menu with links for "My Services", "Profile", "Contact Us", and "Login". Below this, there is a search bar and a main navigation menu with links for "About", "Governance", "Services & Resources", "Policy", "EOSC in Practice", "Media", and "For providers". The main content area has a dark background with a grid pattern and a large text overlay that reads: "ARCHITECTURE, DATA, SERVICES, ACCESS & INTERFACE, RULES, GOVERNANCE". To the left of this text, it says "EOSC relies on 6 action lines:" and "Learn more in the EC Staff Working Document". There are also social media icons for search, email, and YouTube.

## Open DATA

- EOSC is an homogenization agent, integrating previous repositories and platforms to provide a common service, with unique access
- EOSC will interoperate existing platforms and creates guidelines for new repositories in order to be 'EOSC-ready'
- Additionally, EU plans to deploy a computation system for data analysis

<https://youtu.be/qIn0homyLm4>

- Official EU web for EOSC creation and related documents

<http://ec.europa.eu/research/openscience/index.cfm?pg=open-science-cloud>



## Open DATA - EUDAT

- EUDAT's vision is Data is shared and preserved across borders and disciplines
- Collaborative Data Infrastructure (CDI), a common model and service infrastructure for managing data spanning all European research data centres and data repositories
- A network of collaborating, cooperating centres, combining the richness of numerous generic and community-specific data repositories with the permanence and persistence of some of Europe's largest scientific data centres

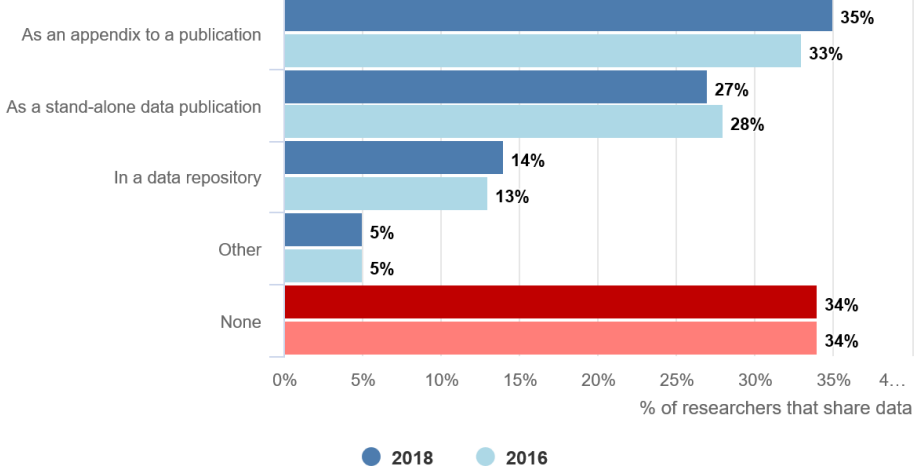
<https://youtu.be/1WMmAzzrsoc>

# Open DATA

- very important: TRAINING and information to content creators: researchers, professor, research centres, ...

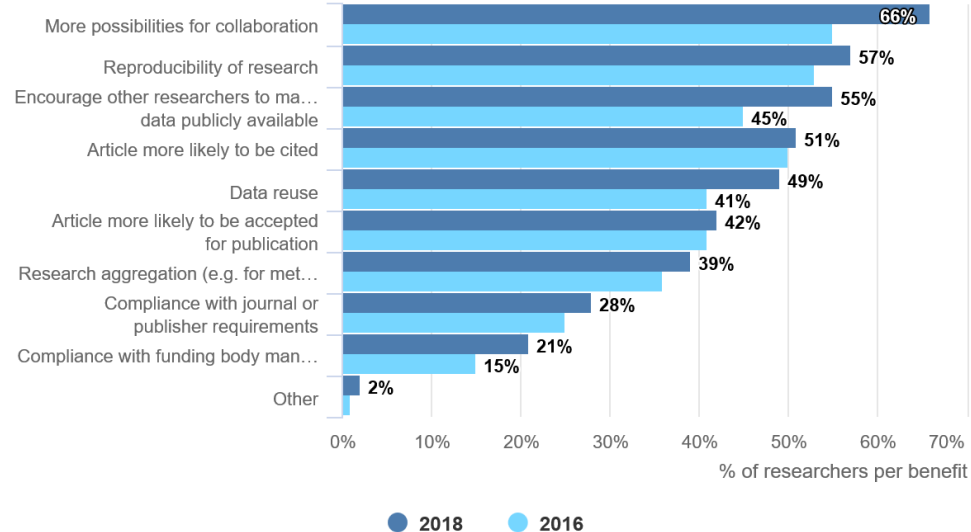
Attitudes of researchers: % of researchers that share data, by modality

Reference dates: 2016 and 2018



Benefits of sharing research data: % of researchers per benefit

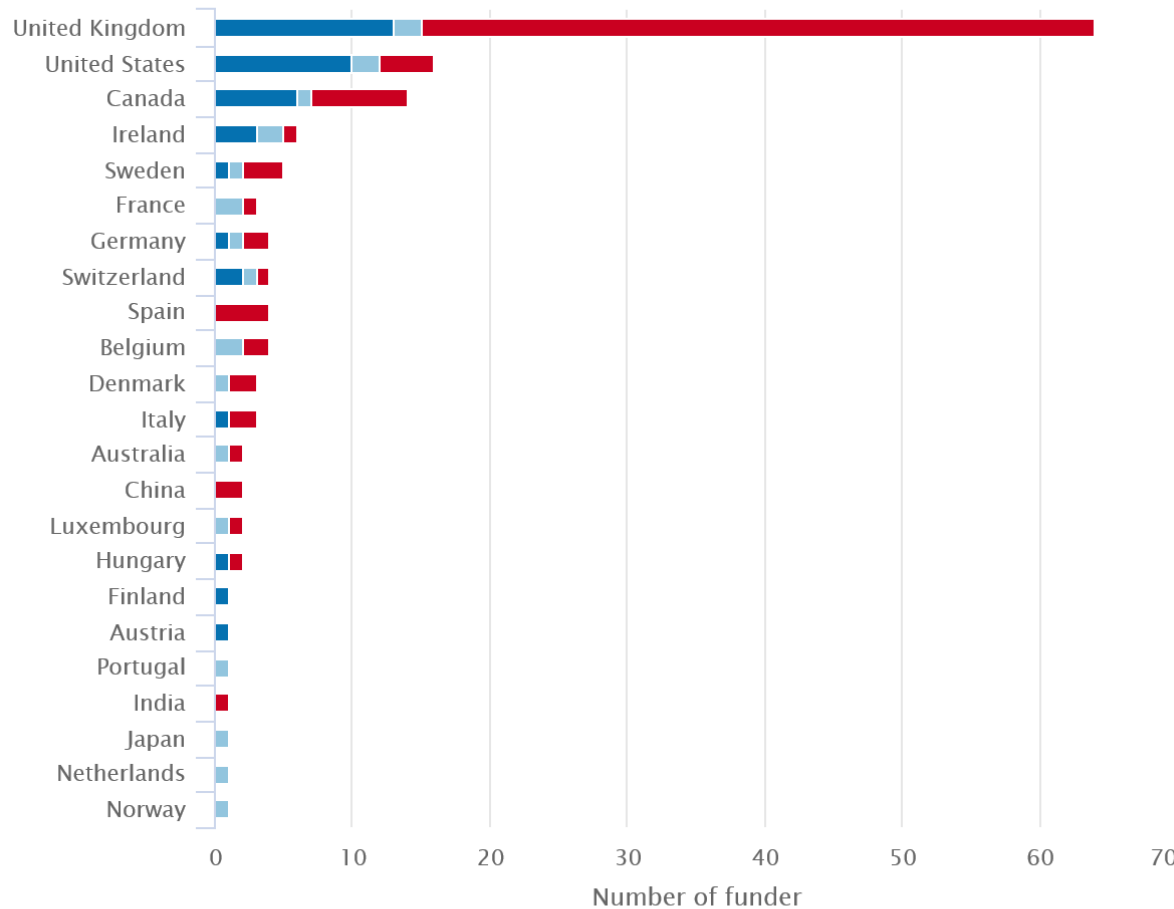
Reference dates: 2016 and 2018



# Open DATA - EUDAT

Number of open data policies, by type of mandate and country

Source: Sherpa-Juliet – Reference date: March 26th 2019



● Requires ● Encourages ● No policy



# University of Valencia – Steps towards Open Access and Open Science

## RODERIC, institutional repository

- Repositorio de Objetos Digitales para la Enseñanza, la Investigación y la Cultura – digital objects repository for teaching, research and culture
- Created 11 years ago
- Historical heritage
- Use of databases SHERPA/ROMEIO (International), Dulcinea (Spain), Héloïse (France), Blimunda (Portugal) provide info about publication possibilities in RODERIC when already published in another journal

## University of Valencia – Steps towards Open Access and Open Science

RODERIC, institutional repository, can publish

- Preprints and postprints
- Congress and seminars
- PhD and Master Thesis
- Books or chapters
- Data
- Teaching materials
- Audiovisual contents (MediaUni)

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## References

- Providing researchers with the skills and competencies they need to practice Open Science. European Union, 2017. doi: 10.2777/121253
- 28 OSPP-REC: Integrated advice of the Open Science Policy Platform Recommendations. European Commission, 2018. doi: 10.2777/958647



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