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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

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

- Common document on 20th 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)

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

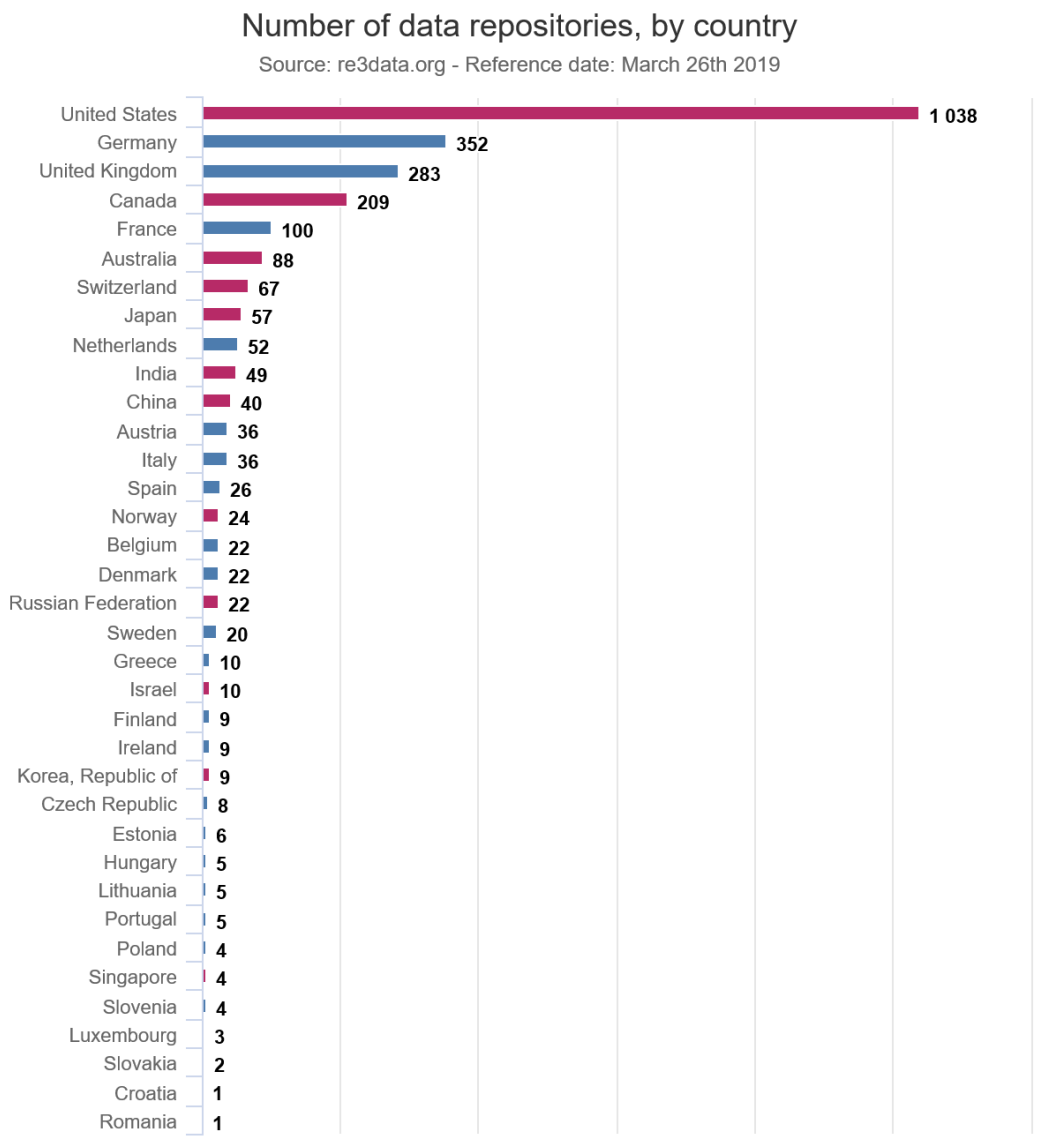
A number of 32 institutions created institutional policies to guide R+D units in Open Science publication

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

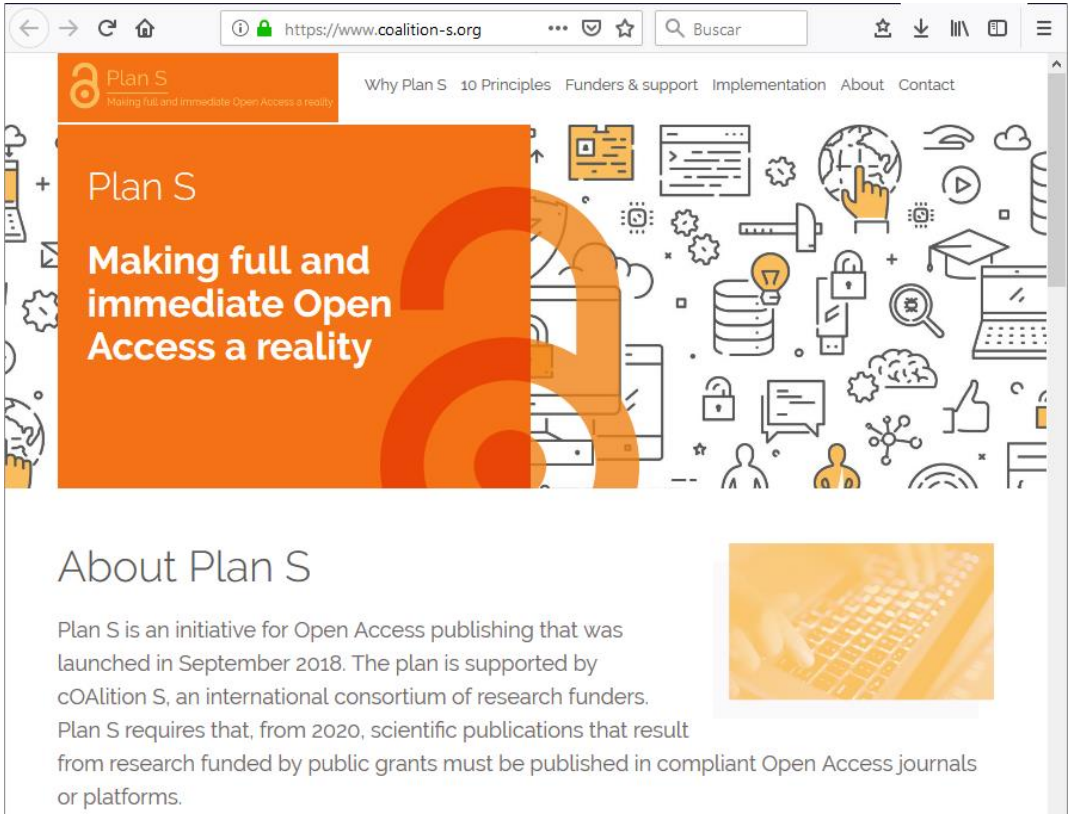
Golden Access not recommended → double fee (APC, suscr.)

Situation in Spain



Situation in Spain

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



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)

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

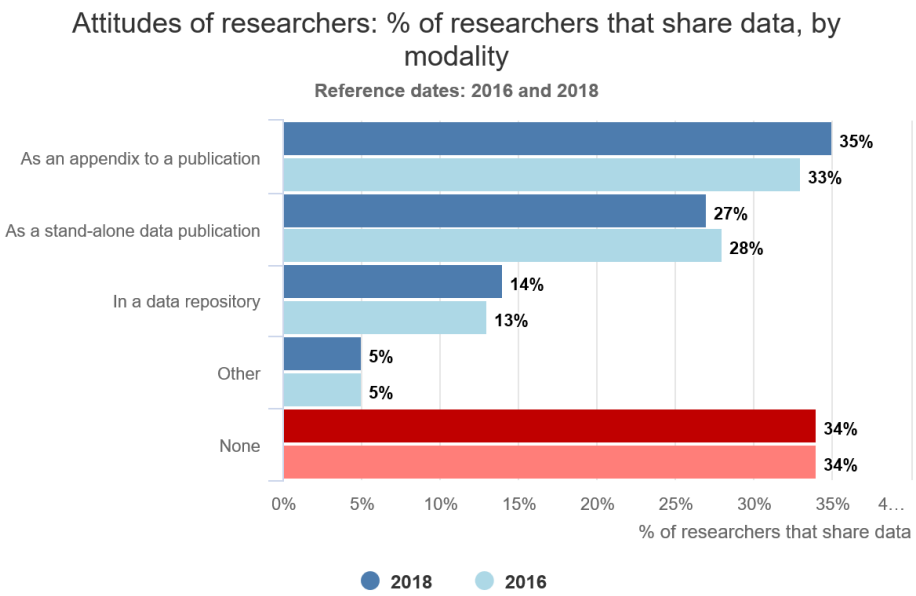
Open DATA - EUDAT

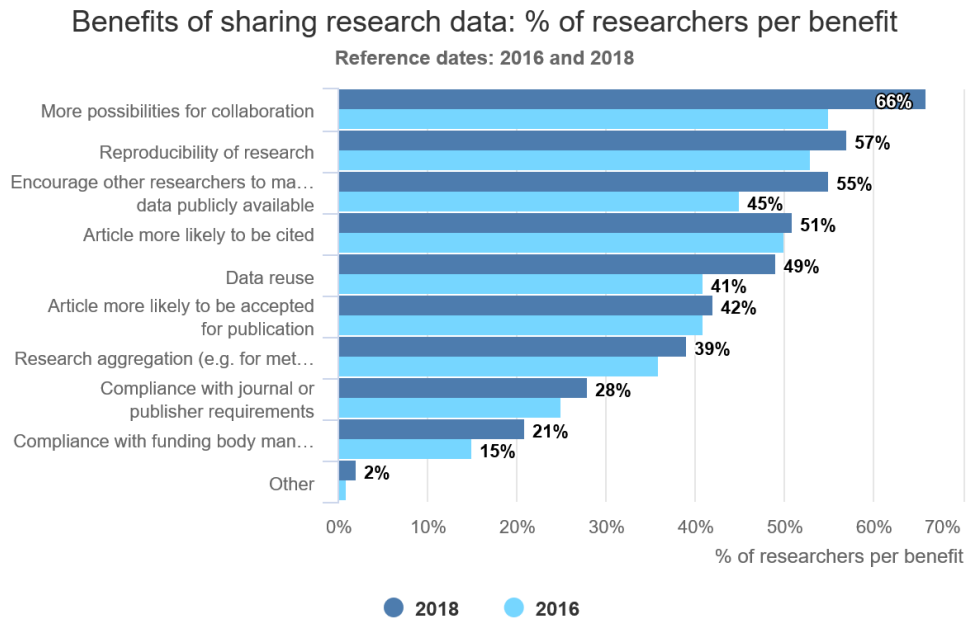
- EUDAT's vision is Data is shared and preserved across borders and disciplines
- Collaborative Data Infrastructure (CDI), a common model and service infrastructure for managing data spanning all European research data centres and data repositories
- A network of collaborating, cooperating centres, combining 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

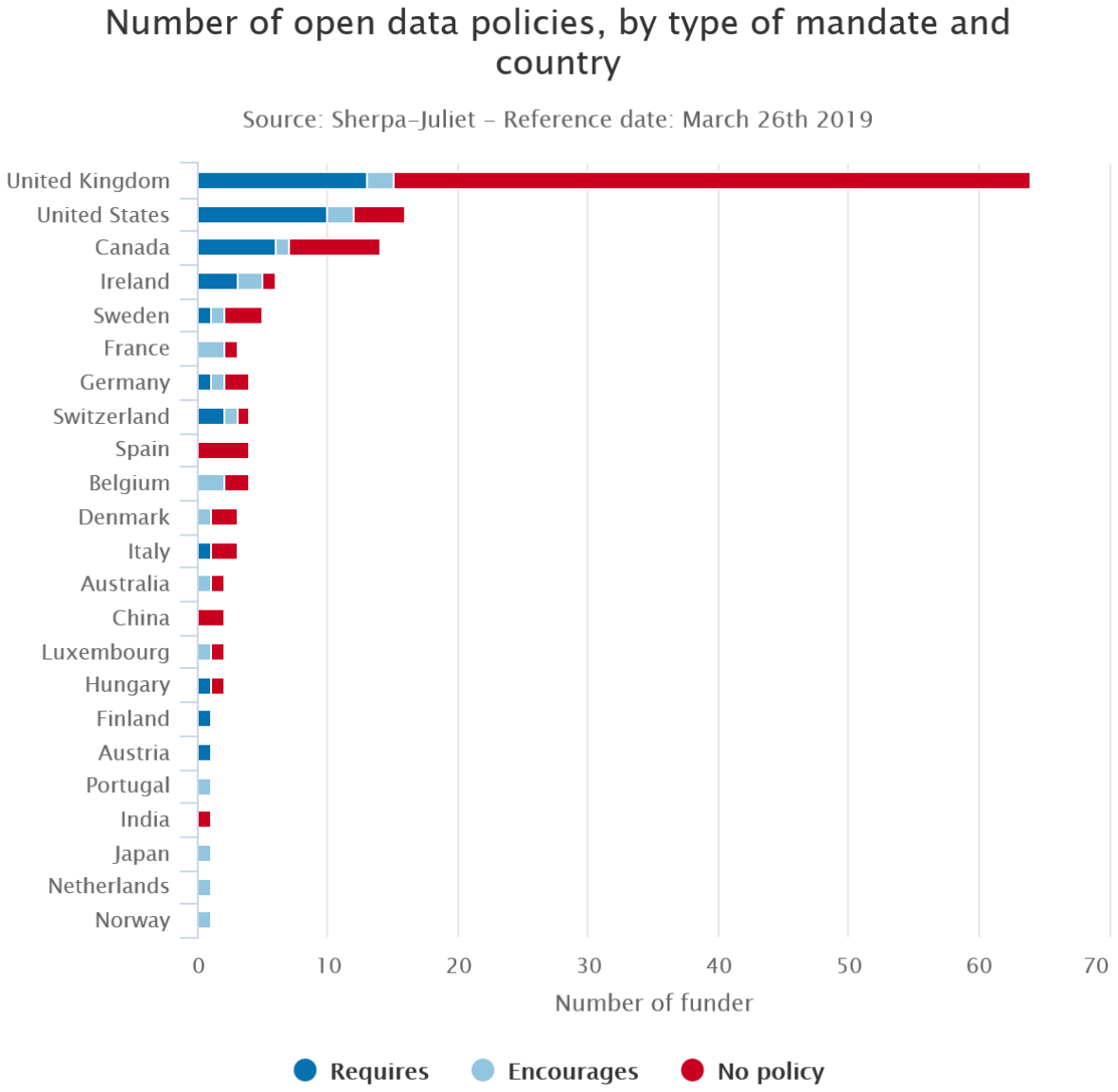
Open DATA

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





Open DATA - EUDAT



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/ROMEO (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)

University of Valencia – Steps towards Open Access and Open Science

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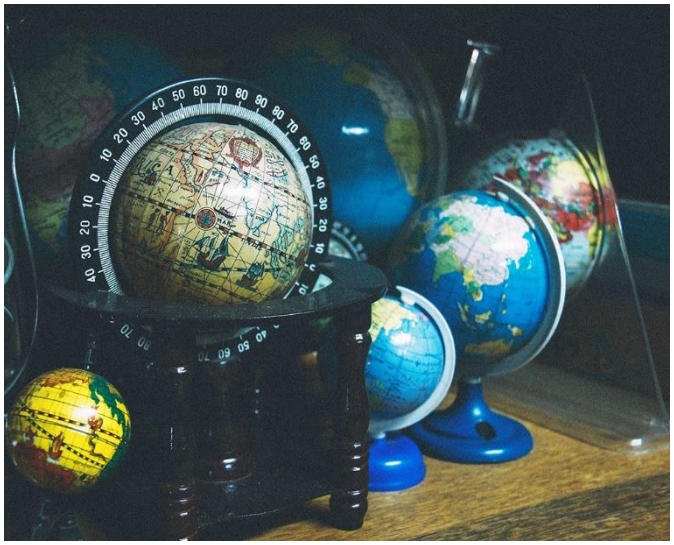

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