

Open Science Policies and INFRA-EOSC Participation in Spain

Pilar Rico Castro (@PilaRicoCastro)

Fundación Española para la Ciencia y la Tecnología (FECYT)

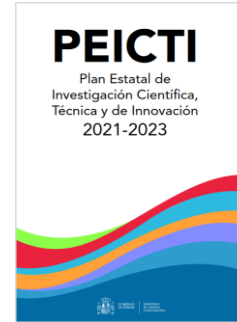
EOSC Spain National Tripartite Event
Madrid, September 19th 2023



Open Science National Policy



[Estrategia Española de Ciencia, Tecnología e Innovación 2021-2027 \(EECTI\)](#)



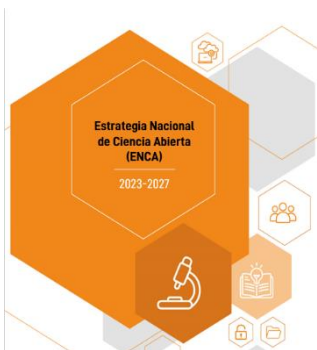
[Plan Estatal de Investigación Científica, Técnica y de Innovación 2021-2023 \(PEICTI\)](#)



[Ley de la Ciencia, la Tecnología y la Innovación 2022](#)



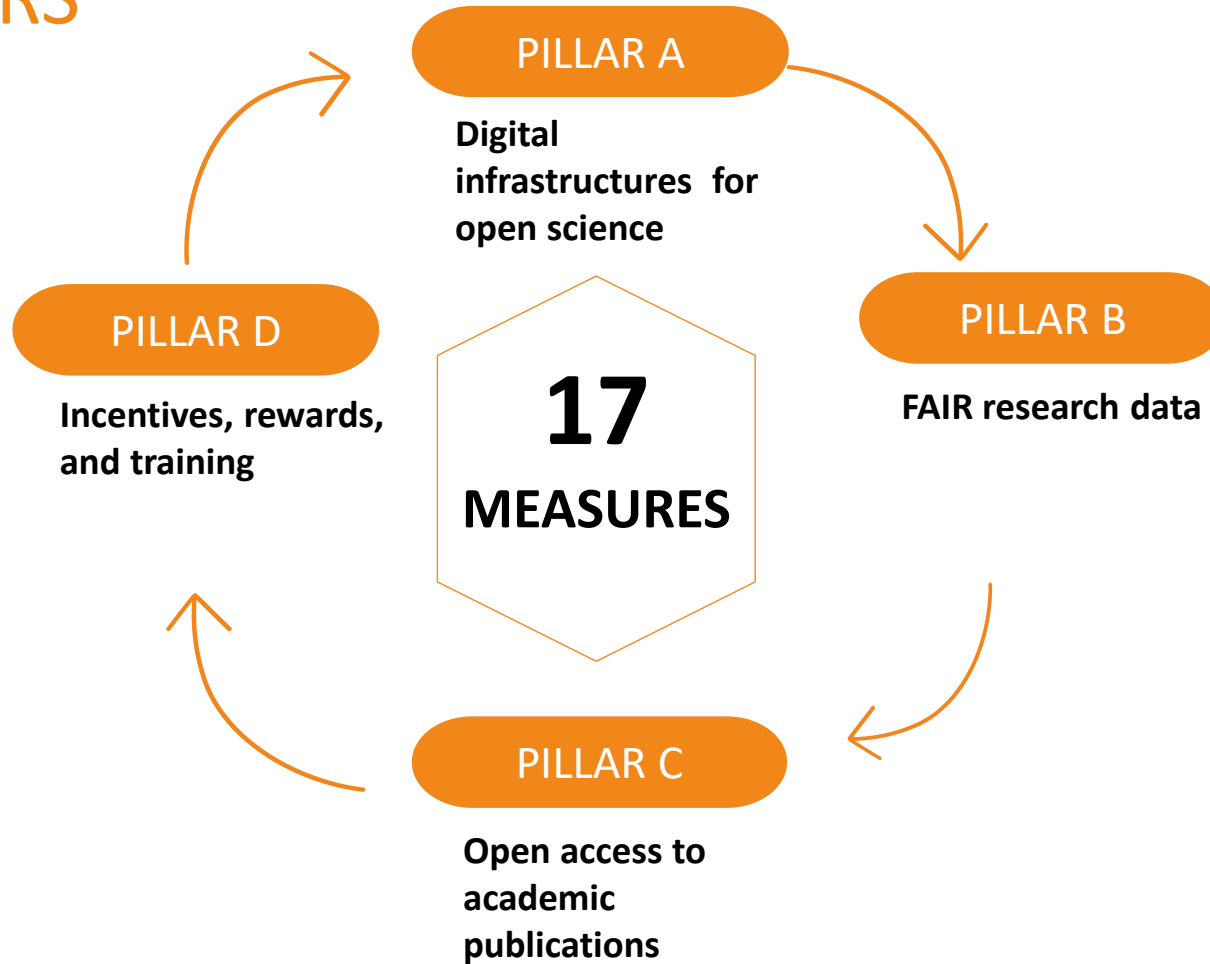
[Ley Orgánica del Sistema Universitario 2023](#)



[Estrategia Nacional de Ciencia Abierta \(ENCA\)](#)



NATIONAL STRATEGY FOR OPEN SCIENCE: 4 PILLARS



DIGITAL INFRASTRUCTURES

Identification of digital infrastructures, both national and international, necessary for the implementation of the ENCA.

Generation and maintenance of new digital infrastructures for storage and preservation of research outputs necessary for the implementation of the ENCA.

Financing of digital infrastructures for open science.

Interoperability of all open science digital infrastructures to guarantee their sustainability and facilitate the integration of data and services into the European Open Science Cloud (EOSC).

Expected outcome: *Ensure the existence of sufficiently robust and well-articulated interoperable digital infrastructures capable of absorbing the impact of implementing a national open science policy and facilitating its integration into the international ecosystem, including, where applicable, the European Open Science Cloud (EOSC).*



FAIR RESEARCH DATA

Creation, recognition, and promotion of **professional profiles** to support research data management within the SECTI as support figures for research teams, adding specific and necessary expertise and alleviating the workload of research teams.

Improvement of the communication of scientific results, overcoming the current limitations of the scientific results communication system, and including adequate assessment of other research outputs such as data and other digital objects of the scientific process, as well as the adoption of new forms of scientific communication based on them.

Strengthen the implementation of the **legal framework** and mechanisms that facilitate open access to research data

Expected outcome:
Promote the proper management of research data generated by the national R&I system through the FAIR principles (Findable, Accessible, Interoperable, Reusable).



OPEN ACCESS TO ACADEMIC PUBLICATIONS

Compliance with the legal mandate for open access to facilitate the deposit of all scientific publications.

Evaluation of the national open access policy to assess the effectiveness of measures and strengthen incentives if necessary

Negotiation of agreements for transforming the scientific communication model to ensure equal conditions for research personnel across the SECTI regarding access to scientific content, options for open-access publishing, and depositing their publications in open-access repositories

Diversification of publication venues for research results, supporting non-commercial communication models through complementary or alternative dissemination tools to commercial scientific journals, such as research outcome publication platforms, institutional publishing services, and open access repositories. Compliance with the peer review process will be ensured, and mechanisms to guarantee publication quality will be strengthened.

Strengthening the implementation of the **legal framework** and mechanisms that facilitate open access to scientific publications.

Expected outcome:
Implement open and free access by default to publications and scientific results directly or indirectly funded with public funds, for the entire population.



INCENTIVES, REWARDS AND TRAINING

Strengthening scientific knowledge about open science.

Consideration of open **science practices for public R&D Funding**.

Adaptation of the **assessment processes** for teaching, research, and knowledge transfer to the parameters of open science.

Establish mechanisms to promote the idea that **open science is an excellent science**.

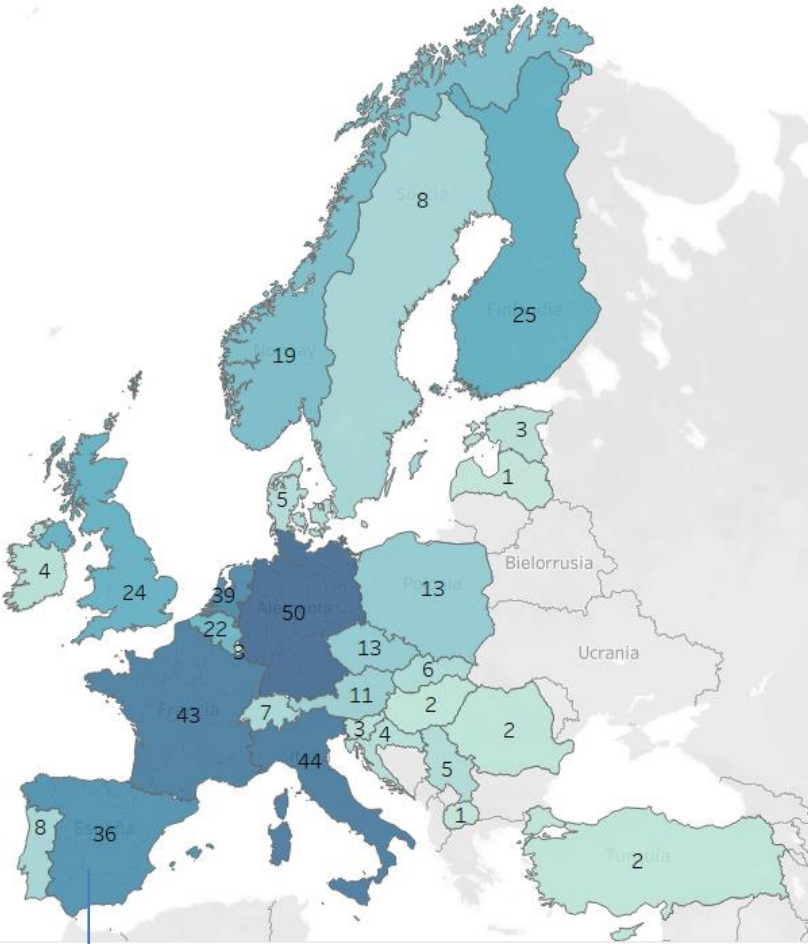
Training for researchers and evaluators in research assessment committees, academic career committees for individuals and institutions, and panels for the allocation of publicly funded projects.

Expected outcome:

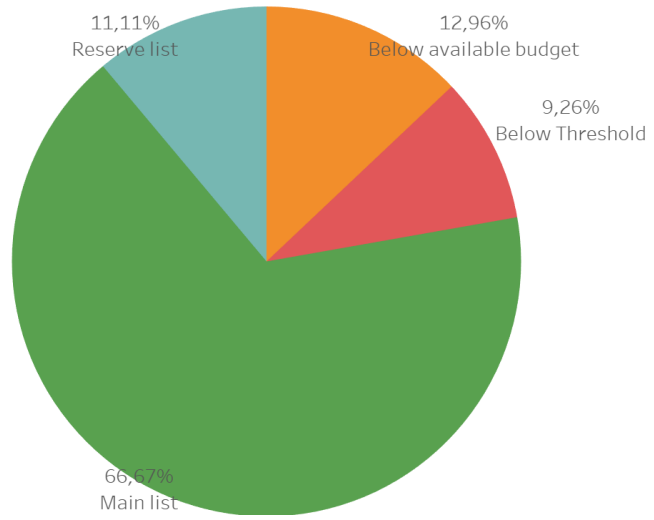
Establish new research assessment mechanisms and a system of incentives and recognition aimed at promoting open science practices, as well as providing training to all personnel (researchers, managers, funders, evaluators) to align their professional performance with the principles of open science.



Spain in INFRA-EOSC calls (HE)



Number of beneficiaries (ES) (8% of total entities)



	Nº Project	Nº beneficiarias	Nº Project ES	Nº de beneficiarios ES	% projects	% beneficiarias
2021	9	160	7	14	78%	9%
2022	5	106	2	3	40%	3%
2023	7	174	7	19	100%	11%
Total	21	440	16	36	76%	8%

Funding (ES): 7,42% of the total



Gracias

@PilaRicoCastro

Responsable Unidad Acceso Abierto, Repositorios y Revistas

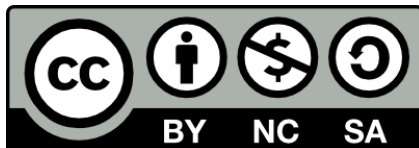
Experta Nacional Comité de Programa *Research Infrastructure* en HE

Representante nacional en el *EOSC Steering Board*

National Point of Reference for Open Science

Fundación Española para la Ciencia y la Tecnología (FECYT)

<https://www.fecyt.es/>



Síguenos:



<https://www.facebook.com/fecyt.ciencia>



https://twitter.com/FECYT_Ciencia



https://www.instagram.com/fecyt_ciencia



<https://www.youtube.com/FECYT>