



CoARA

LA Referencia
Red Latinoamericana para la Ciencia Abierta



Making Research Assessment a Reality: Showcasing Concrete Open Science Advancements in Latin America and Europe



May 13
4 p.m. - 5:30 p.m. CEST



Register and join
through Zoom

Translating Values into Practice: Showcasing Concrete Advances in CoARA



EVA
MENDEZ

@evamen

Universidad Carlos III de Madrid

CoARA Steering Board member

Chair Open Science Policy Platform (2018–2020)



DORA 10



A Decade of Data 2013-2023

Research Data Alliance

2023



CoARA

Coalition for Advancing
Research Assessment

zen10do

Celebrating our 10th Anniversary

10 years of open
research publishing.

F1000

10 years of open
research publishing.

COS 10 YEARS

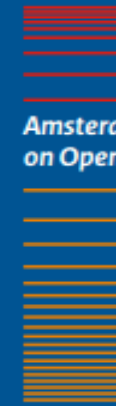
— CENTER FOR OPEN SCIENCE —

Science Works Best
in the Open



And you?...

What are you going to do?



Amsterdam Call for Action
on Open Science

EU
2016



Introduction video: Conference Open Science 4- 5 April **2016**, Dutch Presidency EU2016:
<https://www.youtube.com/watch?v=C9a3Ap3yyak> [Amsterdam Call for Action]

<http://tinyurl.com/scholcomm-charters>

+ 100 Declaraciones / Recomendaciones, etc.

Charters and principles in scholarly communication

File Edit View Insert Format Data Tools Extensions Help

2002

Friendly URL: <http://tinyurl.com/scholcomm-charters>

[Journal of Brief Ideas paper proposal](#)

[Force11 Scholarly Commons Working Group](#)



YEAR	NAME	URL	ASPECT	ORGANIZATION	AUTHORS/SIC
1964-2008	Helsinki Declaration	https://www.wma.net/policies-post/wr	other	World Medical Association	
1986	Free Software Definition	https://en.wikipedia.org/wiki/The_Fre	code&software		Richard Stallm
1996	Bermuda principles	https://en.wikipedia.org/wiki/Bermude	data		multiple
1998	Open Source Definition	https://opensource.org/osd-annotate	code&software	Open Source Initiative	Bruce Perens
2002	Budapest Open Access Initiative	http://www.budapestopenaccessinitia	open access		24
2003	Berlin Declaration	http://openaccess.mpg.de/Berlin-Dec	open access		7 (? as acknow
2003	Bethesda Statement on Open Access Publishing	http://dash.harvard.edu/handle/1/472	open access		19 (? original s
2003	Fort Lauderdale data sharing gentleman's agreement	https://en.wikipedia.org/wiki/Fort_Lau	data	Wellcome Trust	
2004	UPSIDE principles on data and materials	http://www.pnas.org/content/101/11/3	data		
2005	OKF Open Definition	http://opendefinition.org/	opencience&multiple	OKF	no individuals
2005	Salvador Declaration on Open Access	http://www.iamf.org/meetings/open	open access	International Seminar on O	

AN URGENT NEED TO REFORM EXISTING WAYS OF ASSESSING RESEARCH

Assessment processes relying predominantly on journal- and publication-based metrics **can be a hurdle to the recognition of diverse contributions and may negatively affect the quality and impact of research.**

They also contribute to an **unhealthy research culture** and an **unaffordable publication system.**



**Next-generation metrics:
Responsible metrics and evaluation for open science**



Mutual Learning Exercise

**Open Science:
Altmetrics and
Rewards**

Horizon 2020 Policy Support Facility



IT'S NOT NEW...

**Responsible,
Research
Assessment**

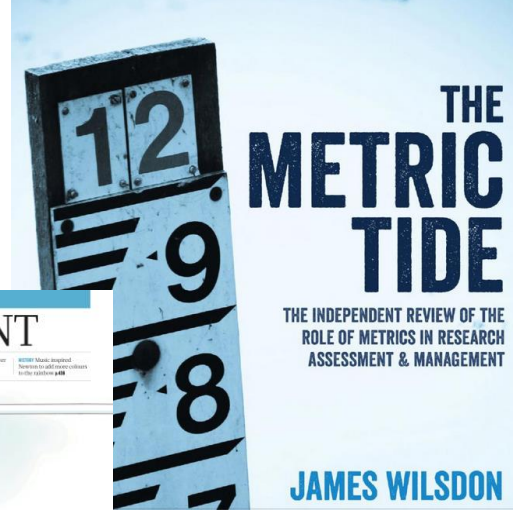
Open Science Career Assessment Matrix (OS-CAM)	
Activities	Possible evaluation criteria
Participating in public engagement activities	Actively engaging society and research users in the research process
Disseminating research results through non-academic channels	Sharing provisional research results with stakeholders through open platforms (e.g. Arxiv, Figshare)
Translating research into a language suitable for non-academic audiences	Involving stakeholders in peer review processes
Being knowledgeable on the legal and ethical aspects of open science	Widening participation in research through open collaborative projects and engaging in team science through diverse cross-disciplinary teams
Transferring IP to the wider economy	Being aware of the ethical and legal issues relating to data sharing, confidentiality, attribution and environmental impact of open science activities
Evidence of use of research by societal groups	Fully recognizing the contribution of others in research projects including collaborators, co-authors, citizens, open data providers
Recognition from societal groups or for societal benefit	Taking account of the risks involved in open science
Engaging in open innovation with partners beyond academia	Developing a vision and strategy on how to integrate OS practices into normal practice of doing research
Investing in own professional development to build capabilities	Providing policy and practice in open science
Successfully delivering open science projects involving multiple teams	Acting as a role model in practicing open science
Demonstrating the personal qualities to engage others with open science	Building an international or national profile for open science activities
Showing the flexibility and perseverance to pursue open science	Acting as editor or advisor for open science journals or bodies
	Engaging in open peer review processes
	Engaging in open research
	Building and international networks relating to open science



**Evaluation of Research
Careers fully acknowledging
Open Science Practices**

Rewards, incentives and/or recognition for researchers practicing Open Science

SHARED (AND CONTINUOUS) DIRECTION ON THE REFORM OF RESEARCH ASSESSMENT



THE HONG KONG PRINCIPLES FOR ASSESSING RESEARCHERS	
FOSTERING RESEARCH INTEGRITY	
<p>What are the HKP? The Hong Kong Principles (HKP) were developed as part of the 6th World Conference on Research Integrity. They were developed to reinforce the need to ensure that researchers are rewarded for specific behaviors that promote trustworthy research. The HKP have been developed with the idea that implementation of them could assist in how researchers are assessed for career advancement with a view to strengthen research integrity.</p>	
PRINCIPLE	IMPLEMENTATION EXAMPLES
1 Assess responsible research practices	The HKP recommends Experimental Design Assistant (EDA) developed by NCSIS. This 10-minute on-line tool helps researchers prepare the design and topics requested for grant applications.
2 Take complete reporting	Wellcome Trust's Open Research (WOR) reporting policies require researchers to complete a checklist for each study (e.g., ARRIVE). The University of Edinburgh has introduced a similar checklist for each degree. In 2020, UCL introduced a formal course on reporting guidelines. If an student can complete as formal credit towards their degree.
3 Toward the practice of open science	The University of Cambridge has introduced 'data challenges' with the University of Edinburgh. In the Netherlands, implementing open science as a career assessment criterion. The Nanyang Technological University (NTU), Singapore, implemented an Open Access policy in 2011. At NTU's Faculty of Medicine, research articles are conducted to ensure adherence.
4 Acknowledge a broad range of research activities	The Netherlands Organisation for Scientific Research (NWO) is a full-fledged organization in the Netherlands and it has been writing research functions in its respective journals.
5 Recognize essential roles that can be seen in teaching and mentoring	The University of Cambridge's academic promotion criteria includes research, research, for publication, peer review, and other related activities (e.g., journal editing).

- ✓ Various frameworks/initiatives/declarations
- ✓ Plan for unintended consequences and/or effects of indicators
- ✓ Don't create incentives only for superficial or symbolic changes
- ✓ Adapt the set of indicators to the field, project, type, or entity being measured

BARCELONA DECLARATION ON OPEN RESEARCH INFORMATION

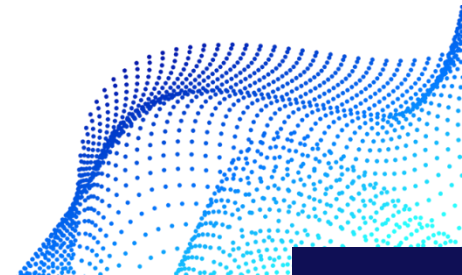
LAUNCHING APRIL 16, 2024

The preparation of the Declaration is being coordinated by Bianca Kramer (Sesame Open Science), Cameron Neylon (Curtin Open Knowledge Initiative, Curtin University), and Ludo Waltman (Centre for Science and Technology Studies, Leiden University). Organizations that would like to know more about the Declaration or that wish to sign the Declaration are welcome to reach out to contact@barcelona-declaration.org.

4 CORE COMMITMENTS



1. **Recognise the diversity of contributions** to, and careers in, research, in accordance with the needs and the nature of the research.
2. **Base research assessment primarily on qualitative evaluation for which peer-review is central**, supported by responsible use of quantitative indicators.
3. **Abandon the inappropriate uses in research assessment of journal- and publication-based metrics**, in particular the inappropriate uses of journal impact factor (JIF) and h-index.
4. **Avoid the use of rankings of research organisations** in research assessment.





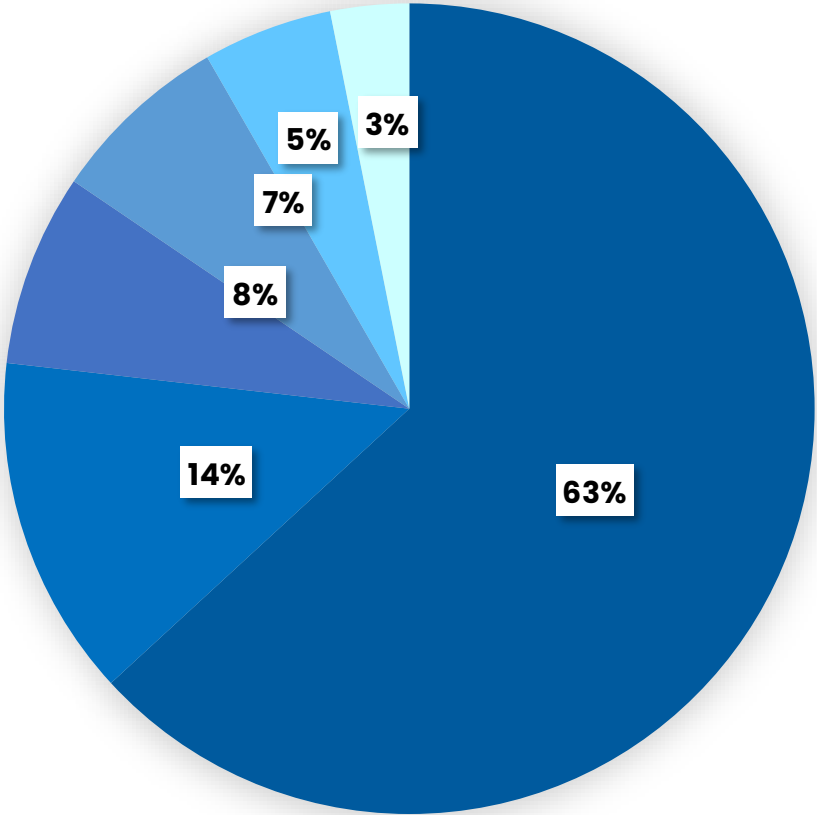
CoARA

Coalition for Advancing
Research Assessment



<https://coara.eu/coalition>

CoARA MEMBERSHIP BY TYPE OF ORGANISATION



In descending order of total share:

- Universities and their associations
- Research centres, research infrastructures, and their associations
- Academies, learned societies, and their associations, and associations of researchers
- Public or private research funding organisations and their associations
- Other relevant non-for-profit organisations involved with research assessment, and their associations
- National/regional authorities or agencies that implement some form of research assessment and their associations

637 member organisations

723 signatories

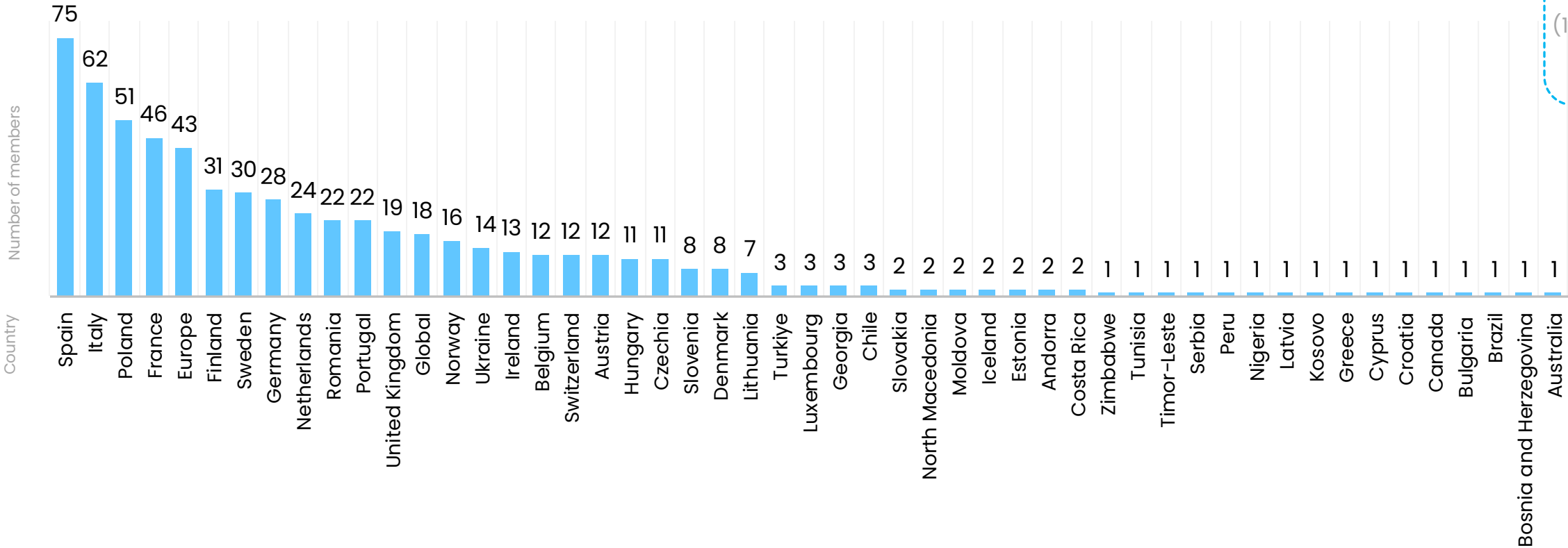
[18 April 2024]

CoARA MEMBERSHIP BY COUNTRY

Membership total:
637

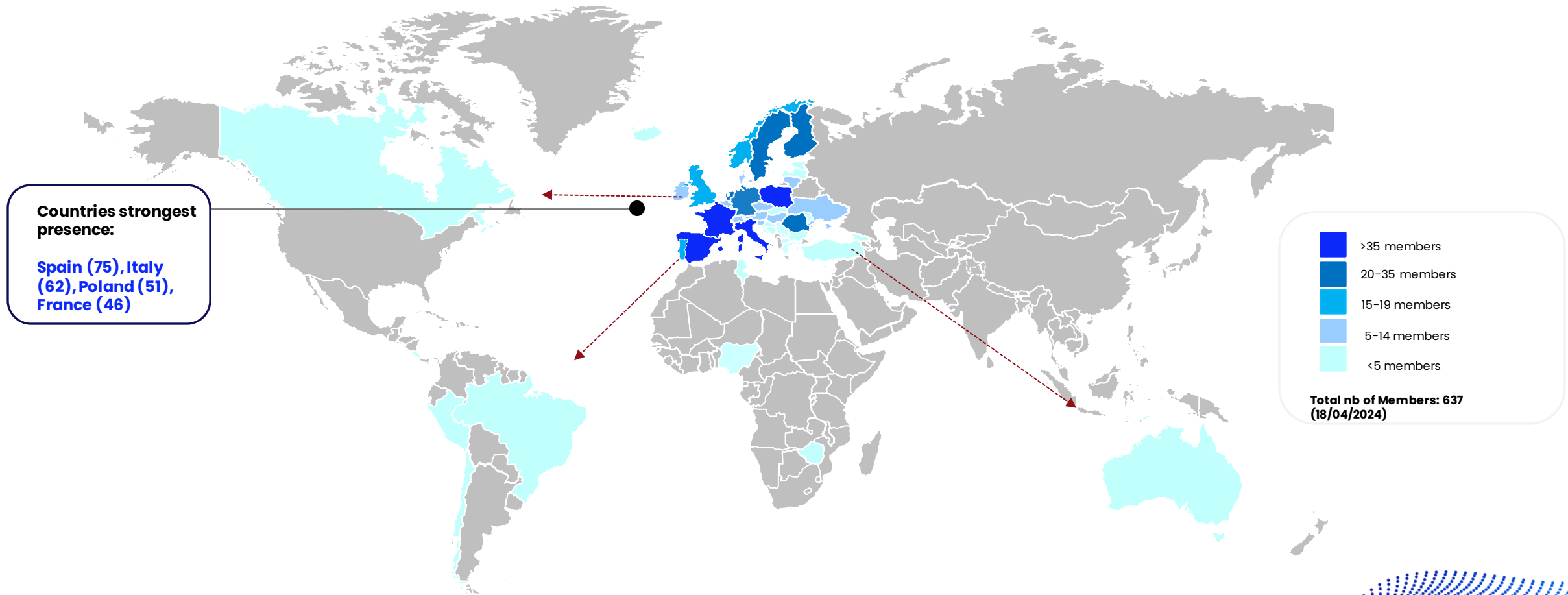
of countries*:
49

(18 April 2024)



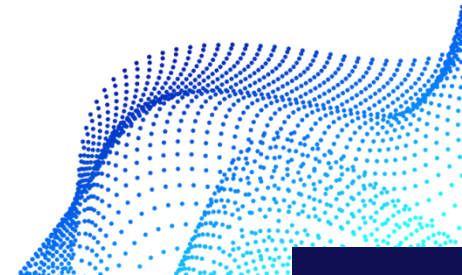
*excl. pan-European and global organisations

CoARA membership 18th April 2024 International outreach goals



WORKING GROUPS

- Working Groups aim to **exchange** knowledge, **learn** mutually, **discuss and develop** outputs to advance research assessment and **help** implement members' commitments.
- They operate as '**communities of practice**', providing mutual learning and collaboration. Working Groups are identified and proposed **bottom-up** by members
- **13** Working Groups in total



OVERVIEW OF THE COARA WORKING GROUPS



Towards Open Infrastructures for Responsible Research Assessment



Multilingualism and language biases in research assessment



Recognizing and Rewarding Peer Review



Experiments in Assessment – Idea generation, co-creation, and piloting



Reforming Academic Career Assessment



Towards Transformations: Transdisciplinarity, Applied/Practice-Based Research, and Impacts



Early-and-mid-Career Researchers (EMCRs) – Assessment and Research Culture



1st WGs Co-Chair meeting 17 November 2023



Global framework for research evaluation in the social sciences and the humanities (SSH)



TIER – Towards an Inclusive Evaluation of Research



Ethics and Research Integrity Policy in Responsible Research Assessment for Data and Artificial Intelligence (ERIP)



Improving practices in the assessment of research proposals



Supporting the alignment of research assessment systems with CoARA in biomedical disciplines through administrative reforms and governance

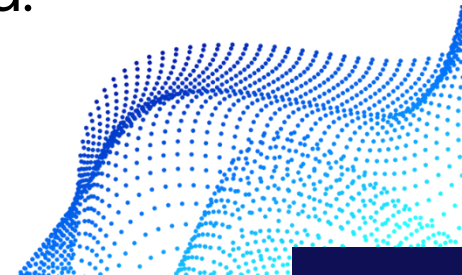


Responsible metrics and indicators

NATIONAL CHAPTERS



- Members are also invited to form/participate in **National Chapters**.
- National Chapters will contribute to CoARA's work by facilitating the **exchange of knowledge, mutual learning** and **discussions** on CoARA-relevant issues specific to different types of organisations of a **given country or group of countries**.
- National Chapters are proposed at the initiative of CoARA members.
 - Participation from members is voluntary.
 - Any CoARA member from the given country can participate in call for National Chapter.
 - No limit on the number of National Chapters that can be approved.
 - No more than one National Chapter approved per country/group.

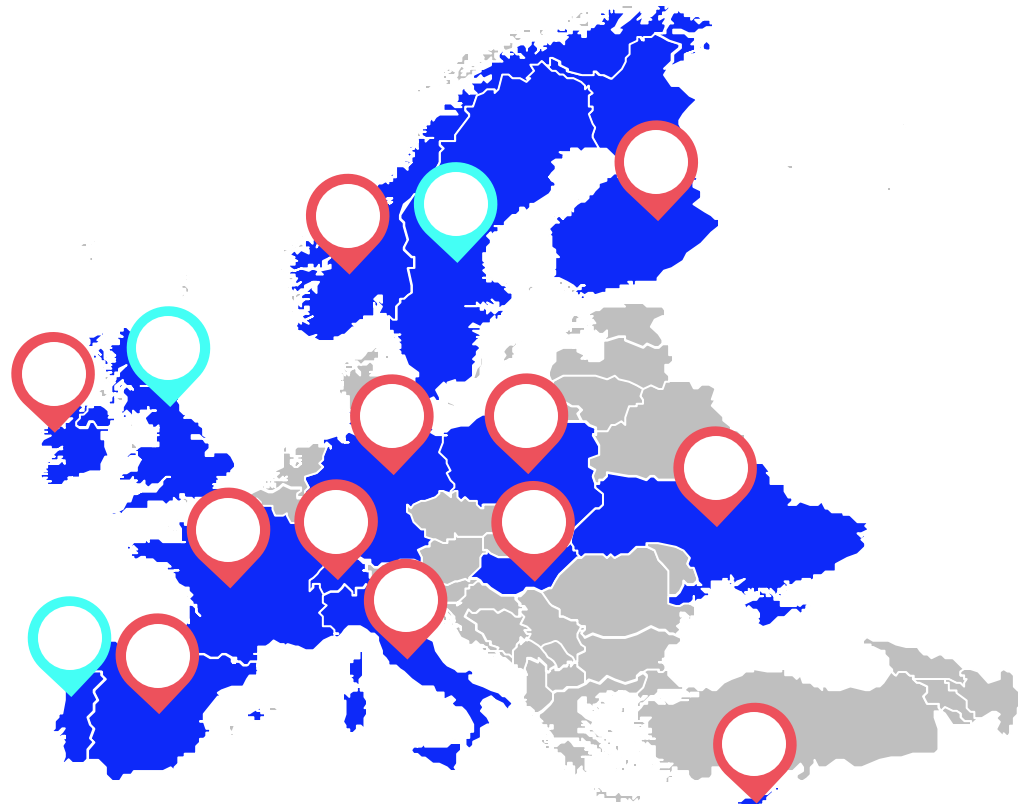


NATIONAL CHAPTERS



No cut-off date

-> monthly submission review



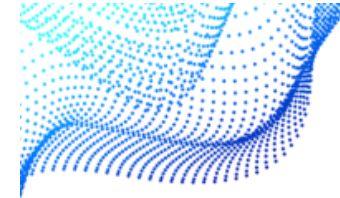
- Cyprus
- Finland
- France
- Germany
- Hungary
- Ireland
- Italy
- Norway
- Poland
- **Portugal**
- Spain
- **Sweden**
- Switzerland
- Ukraine
- **United Kingdom**

ACTION PLANS

39 action plans



https://zenodo.org/communities/coara_action_plans



Action Plan Guidelines

CoARA
Coalition for Advancing
Research Assessment

SUPPORT FOR CoARA SIGNATORIES IN THE PREPARATION OF ACTION PLANS

This document is a resource to support signatories of the Agreement on Reforming Research Assessment and members of the Coalition for Advancing Research Assessment (CoARA) in preparing an action plan towards achieving the commitments they have signed up to.

<https://coara.eu/news/guidelines-for-action-plan-preparations-published>

The graphic features the CoARA logo (a blue sun-like icon) and the text "CoARA Coalition for Advancing Research Assessment". Below this is an icon of a rolled-up document labeled "Action Plan" and the text "And... Action!". A central text box contains the following information:

All CoARA Agreement on Reforming Research Assessment signatories

- > agree to develop an Action Plan how CoARA core commitments will be implemented in their own organisations & share the Action Plan with community!
- > While having the full freedom in the development of an own Action Plan, we hope the supportive documentation on the website available for download will help you in tailoring to your needs:

<https://coara.eu/agreement/action-plan/>

The background of the graphic is a collage of various university logos.

CoARA

Coalition for Advancing
Research Assessment

Be part of the Coalition:
[click here](#) to sign the Agreement
and to choose to become a member



ENDORSE PUBLICLY

Publicly signal the need and your willingness to reform the current ways of research assessment



ACHIEVE CHANGE

Realise change in your organisation by implementing the [10 CoARA commitments](#) through an action plan developed within your organisation

A circular icon containing a lightbulb and an upward-pointing arrow.

As a signatory you can level up to membership any time. There are **no membership fees**.

JOIN THE COMMUNITIES

Benefit from communities of practice; propose and join [Working Groups](#) and [National Chapters](#)



HAVE A VOICE

Shape CoARA's strategy by [participating in governance and decision-making](#)



NETWORK AND LEARN

Interact and share good practices with the CoARA network of members



SUPPORTER BADGES

We support



CoARA

Coalition for Advancing
Research Assessment

Available soon

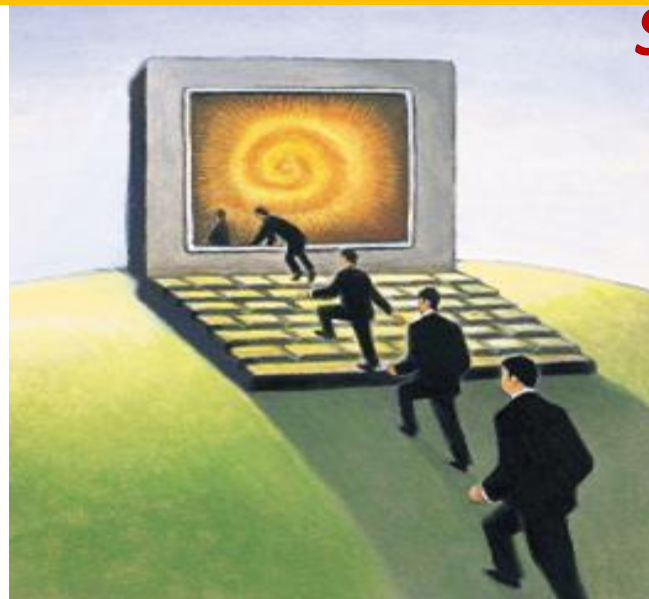
LIBRARIES PLAY



MOTIVATORS OF WILL



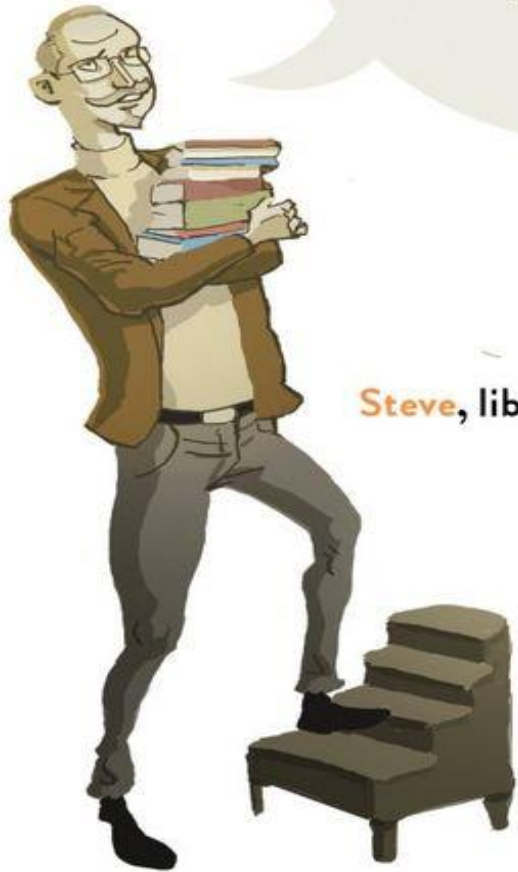
SEDUCTION



Make it very easy...
Motivate...
Help...



“Do the publishers mock us? My university cannot afford journals subscriptions anymore.”



Steve, librarian

#access
#help
#management

- ... We cannot afford APCs trick either [NOT equity]
- RaP & PaR → not the solution!!!
- Education → no false Friends
- Publications + Data → FAIR data & *reproducibility*
- Rewards System → Seduction

Sounds familiar?

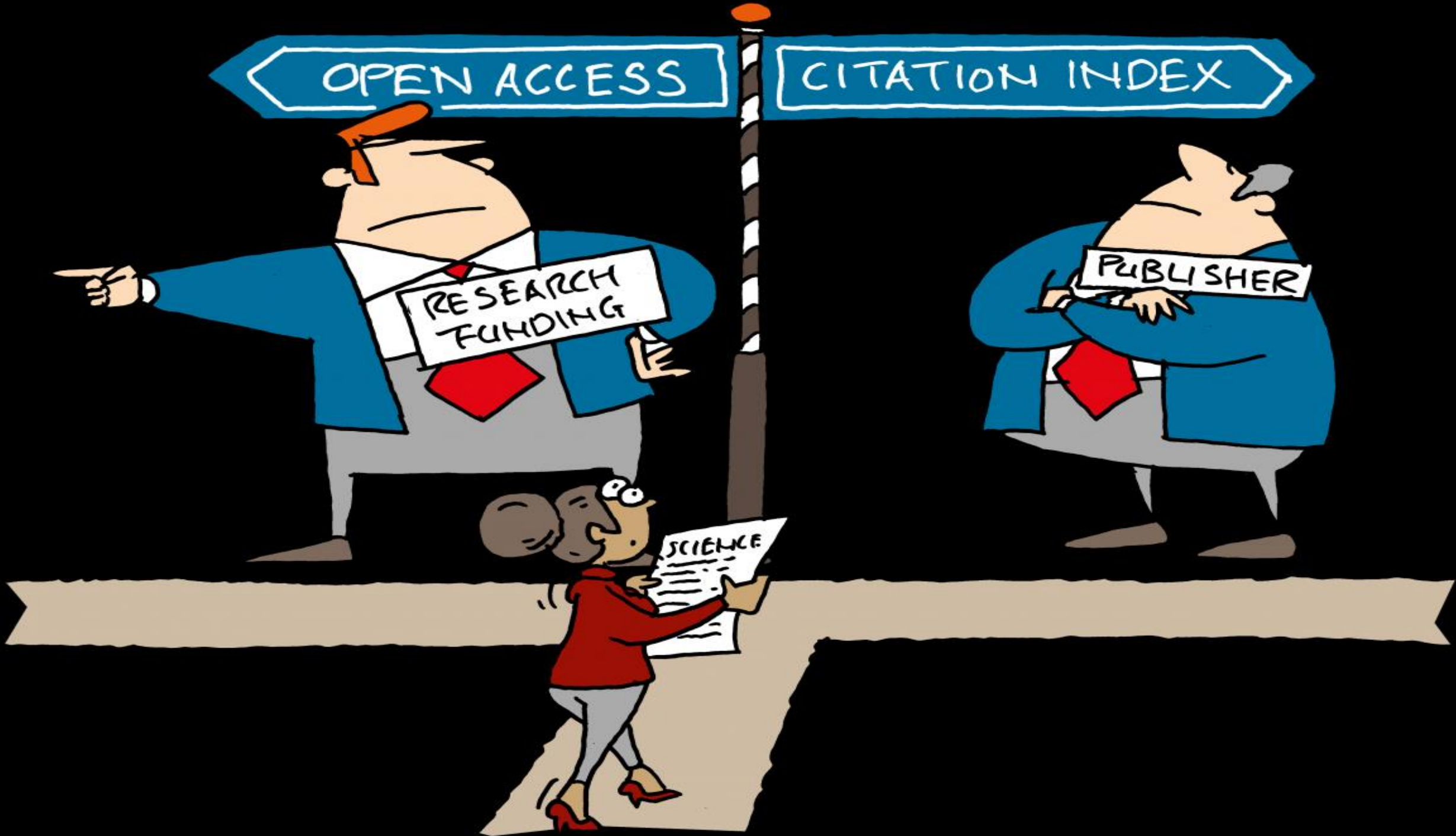
OPEN ACCESS

CITATION INDEX

RESEARCH
FUNDING

PUBLISHER

SCIENCE



We support



CoARA does not promote, endorse, or sell commercial products, technologies, or services, but instead develops open and re-usable outputs.

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A declaration focusing on the core business of libraries when playing the evaluation game → the research information (data about research: metadata)

4 COMMITMENTS:

1. We will make openness the default for the research information we use and produce
2. We will work with services and systems that support and enable open research information
3. We will support the sustainability of infrastructures for open research information
4. We will support collective action to accelerate the transition to openness of research information

Related projects



Next Generation Research Assessment to Promote Open Science

<https://graspos.eu>



Reform the assessment of research towards a system that incentivise researchers to practice #OpenScience

<https://opusproject.eu>



Collect concrete evidence of Open Science effects, and study the pathways of OS practices, including enabling factors and key barriers

<https://pathos-project.eu>



Follow us!

  @CoARAssessment

 **Coalition for Advancing
Research Assessment**

Questions?

Contact us at secretariat@coara.eu

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Assessment (COARA)



Ph.D. LAURA ROVELLI
Foro Latinoamericano sobre Evaluación
Científica (FOLEC-CLACSO)



Ph.D. FRANCOISE GENOVA
Research Data Alliance (RDA)



**CECILE SWIATEK
CASSAFIERES**
LIBER



ANDREA MORA
LA Referencia



GIANNIS TSAKONAS
LIBER



CLAUDIA CÓRDOVA
Concytec Perú