

COAR

**Shaping, strengthening, and innovating
the global repository network**

Kathleen Shearer, Executive Director, COAR

www.coar-repositories.org

About COAR



- Legal seat based in Germany, office based in Portugal
- International association of 155 members and partners from around the world
- Building a sustainable, inclusive and trusted global knowledge commons based on a network of open access digital repositories



This **vision** that guides our work

position repositories as the **foundation for a distributed, globally networked infrastructure** for scholarly communication, **on top of which layers of value added services will be deployed**, thereby transforming the system, making it more research-centric, open to and supportive of innovation, while also collectively managed by the scholarly community.

What we do



Next Generation Repositories



Bibliodiversity and Open Science



Regional Initiatives and Alignment



Metadata and Vocabularies



Our Collective Voice



Training and Capacity Building



Repositories and Publishing

Shaping the narrative

Articulating the fundamental values of our community

Fostering Bibliodiversity in
Scholarly Communications

A Call for Action!

April 15, 2020



Authors

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Advocating with policy makers



COAR welcomes
the adoption of
the UNESCO
Recommendation
on Open Science

November 25th, 2021



Research
repositories
should be
exempted from
the European
Digital Services
Act

Standing up for repositories in the global arena



Going for Gold, or
Gold Diggers?

November 17th, 2021

Strengthening the global repository network



COAR Community Framework for Best Practices in Repositories

February 2nd, 2021

The purpose of the framework is **to assist repositories to evaluate and improve their current operations** based on a set of applicable and achievable good practices.

Translated into 7 languages: **Version 2 will be available in June 2022**

Eight Sections (essential and desired characteristics)

1. Discovery assurance
2. Access Preservation
3. Reuse Governance and sustainability
4. Integrity and authenticity
5. Quality
- 6.
- 7.
8. Other

Strengthening the global repository network



COAR releases resource types vocabulary version 3.0 for repositories with new look and feel

July 20th, 2021

COAR Controlled Vocabularies

+ Resource Type Vocabulary

+ Access Rights Vocabulary

+ Version Type Vocabulary

Strengthening the global repository network



Making Sense of the Metadata Muddle

October 25th, 2019

**Helsinki Initiative
on Multilingualism**

Hi!

#InAllLanguages

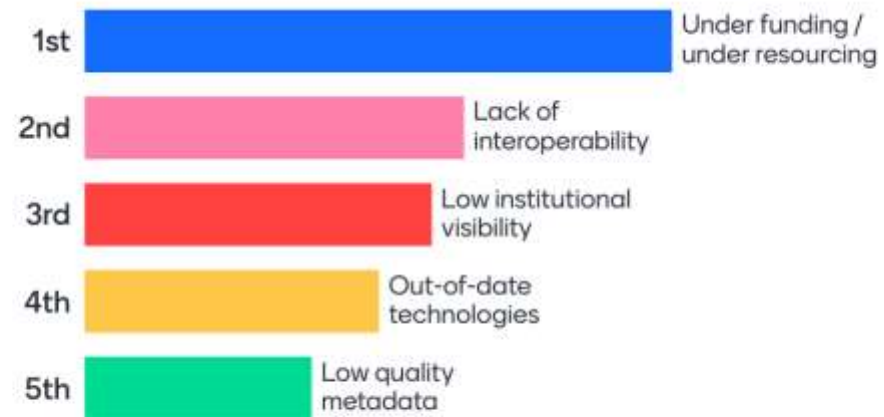
Strengthening the global repository network



COAR launches strategy to modernize the global repository network

July 19th, 2021

What is the most important barrier related to consolidating the role of the global network of repositories?



Modernizing the global repository network

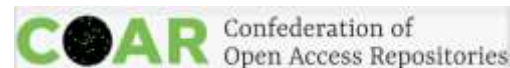


LA Referencia gives visibility to the scientific production of higher education and research institutions in Latin America, promotes open and free access to the full text, with special emphasis on publicly financed results.



Catalyzing the Creation of a Repository Network in the US

June 24th, 2021 **SPARC***



Advancing innovation



COAR Next Generation Repositories Initiative (2016-17)

The vision is to position repositories as the foundation for a distributed, globally networked infrastructure for scholarly communication, **on top of which layers of value added services will be deployed**, thereby transforming the system, making it more research-centric, open to and supportive of innovation, while also collectively managed by the scholarly community.

Pubfair A distributed framework for open publishing services (2019)

A conceptual model for a modular, distributed open source publishing framework which **builds upon the content contained in the network of repositories** to enable the dissemination and quality-control of a range of research outputs including publications, data, and more.

Advancing innovation

Notify: Repository and Services Interoperability Project



Principal Investigators

- Kathleen Shearer, COAR
- Martin Klein, Los Alamos National Laboratory
- Paul Walk, COAR

Technical Advisor

- Herbert Van de Sompel, DANS

Implementing Partners

- CSIC – Spanish National Research Council
- Episcience
- HAL
- Harvard Library
- Peer Community In
- PREReview
- Pub In and RCAAP – Repositório Científico de Acesso Aberto de Portugal

Project Overview

Our current research and social context – the coronavirus pandemic, economic upheaval, climate change, racial injustice – requires timely and reliable research results, shared by, and with, all parts of the world.

On January 28, 2021, COAR launched the *Notify: Repository and Services Interoperability Project*. The aim of this project is to develop a standard and interoperable approach that will link reviews and endorsements from different services with the research outputs housed in the distributed network of preprint servers, archives, and repositories.

COAR has already developed a proposed model for (bi-directionally) linking resources held in repositories with related resources held in networked services using a distributed, message-oriented approach based on W3C Linked Data Notifications (LDN). The COAR model is described and illustrated in *Modelling Overlay Peer Review Processes with Linked Data Notifications*.

This project involves working with implementing partners to:

1. Aid the development of reference implementations of the identified use-cases involving repositories and networked services
2. Support high-level collaboration to align development in the different implementation projects

Advancing innovation



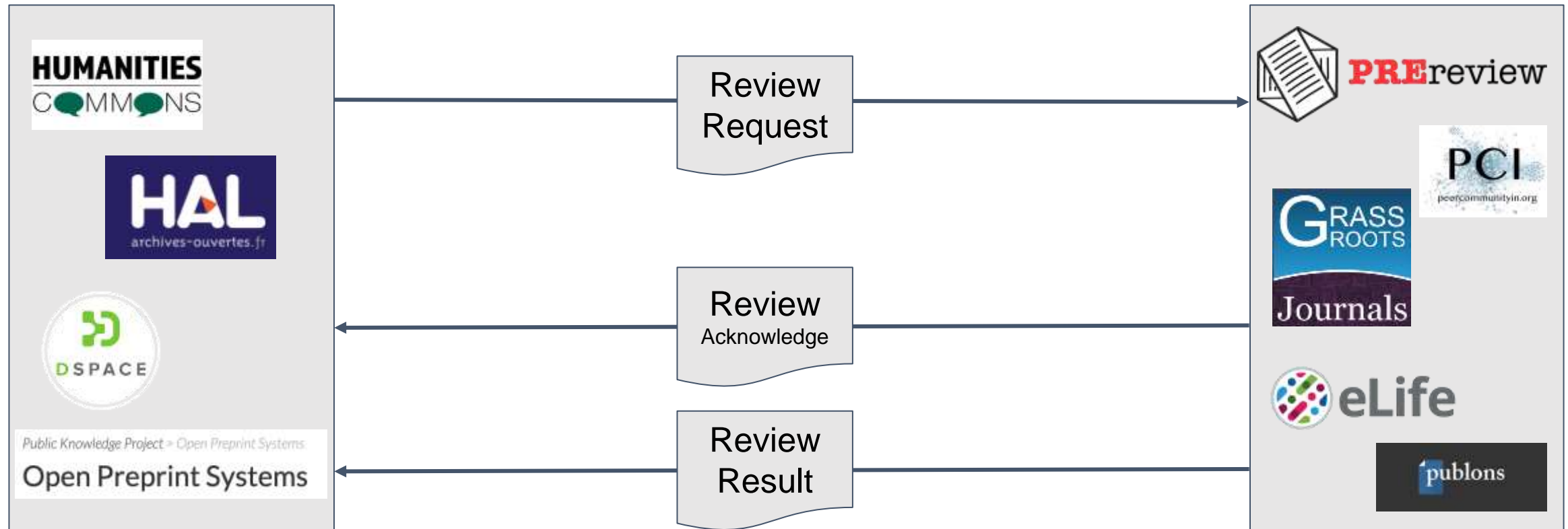
Expanding our global capacity for preprint sharing

Preliminary results from a COAR and ASAPbio survey of preprints in institutional and generalist repositories All new knowledge is built on the shoulders of previous knowledge. As such, the pace of discovery is determined according to how quickly research can ...

Advancing innovation

COAR Notify Project

Connecting peer review with resources in repositories



Time to reflect...

COAR
Confederation
of Open Access
Repositories



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Eloy Rodrigues

Bianca Amaro

William Nixon

Dr Daisy
Selematsela

Martha
Whitehead

Kazutsuna
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Wolfram
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September 24th,
2020

COVID-19 has profoundly changed the way we conduct and share research. Let's not return to business as usual when the pandemic is over!

6 comments | 92 shares

Estimated reading time: 4 minutes

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of Open Access
Repositories



92
Shares

COVID-19 has led to rapid and open sharing of research outputs. But will this new, radically open research communications paradigm result in permanent change? Confederation of Open Access Repositories (COAR) executive board members, Kathleen Shearer, Eloy Rodrigues, Bianca Amaro, Wolfram Horstmann, William Nixon, Daisy Selematsela, Martha Whitehead and Kazu Yamaji, argue that the new research climate proves that longstanding shortcomings regarding the time and cost of research can be overcome with enough political will, and that maintaining a culture of open science going forward is necessary to address the big social problems of our time.

No turning back?

Robert-Jan Smits: “Let’s turn this abnormal situation, in which COVID-19-relevant papers and data are shared widely, into a normal situation”

Vincent Larivière: “(now) how do you justify not making research on cancer or cardiovascular diseases freely accessible as well?”



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Confederation
of Open Access
Repositories

Article Processing Charge Hyperinflation and Price Insensitivity: An Open Access Sequel to the Serials Crisis

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**Investing in your repository
means investing in your
institution, your community,
and investing in a more
equitable, global infrastructure
for research communications**

Gracias!

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