The COAR Notify Initiative

June 6, 2024
COAR is an international association that brings together individual repositories and repository networks in order to build capacity, align policies and practices, and act as a global voice for the repository community.

Main areas of work:
- Innovation
- Interoperability
- Visibility
- Capacity building

Over 140 members and partners from around the world
COAR’s Vision

Repositories are 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.
Notify comes from many years of work at COAR

- **2016**: COAR Next Generation Repository Initiative
- **2019**: Pubfair Conceptual Model
- **2020**: Notify Technical Architecture
- **2021**: Launch COAR Notify Initiative
- **2022**: Arcadia Funding
The aim of the project is to develop and accelerate community adoption of a standard, interoperable, and decentralised approach to linking research outputs hosted in the distributed network of repositories with resources from external services such as overlay-journals and open peer review services, using linked data notifications.

The COAR Notify Initiative
In July 2022, COAR was awarded US $ 4 million to help accelerate the development and adoption of COAR Notify from Arcadia, a charitable foundation that works to protect nature, preserve cultural heritage and promote open access to knowledge.
The COAR Notify Team

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Linked Date Notifications

Linked Data Notifications (LDN) [3] is a W3C Recommendation that describes a communications protocol based on HTTP, URI, and RDF on how servers (receivers) can receive messages pushed to them by applications (senders), as well as how other applications (consumers) may retrieve those messages. Any web resource (like a HTML page) can advertise a receiving endpoint (inbox) for notification messages ...

Activity Streams (format)

Activity Streams is an open format specification for activity stream protocols, which are used to syndicate activities taken in social web applications and services, similar to those in Facebook’s, Instagram’s, and Twitter’s.[1] The standard provides a general way to represent activities ...

From Wikipedia
Facilitating communications between repository and review services

**REPOSITORY**
- Preprint
- Link to Review

**COAR NOTIFY PROTOCOL**
- Request Review
- Acknowledge Request
- Announce Review

**REVIEW SERVICE**
- Review
- Link to Preprint
If we want this space to scale, this is what we don’t want!

Each preprint service developing its own unique method for connecting preprints and peer review platforms.
This is what we do want!

*General interoperability so many services can interact with each other*
Next time you post a preprint on bioRxiv or SciELO Preprints, make sure to request a review from the PREreview community.

Read the blog post
Implementing Partners (so far)
All COAR Notify Resources are openly available!

COAR Notify Webpages for updates about the initiative:
coar-repositories.org/what we do/notify

Technical Documentation for COAR Notify standards:
- Notification Patterns
- The Notify Vocabulary
- Scenarios
notify.coar-repositories.org

Developer’s Handbook for implementation guidance
notify-handbook.coar-repositories.org
Demos

1. DSpace
2. Episcience / HAL / PCI
3 group discussions

1. I know very little about COAR Notify
2. I am familiar with COAR Notify but not sure how it could be used in my repository
3. I am interested in implementing COAR Notify and want to know how to move forward
Questions

1. What were your misconceptions about COAR Notify?
2. How can we address these misconceptions?
3. What can we do to improve the adoption of COAR Notify?

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