

OPEN REPOSITORIES 2023

The Harvard Data Commons: Leveraging COAR Notify to create interoperability between Harvard data and institutional repositories

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https://bit.ly/or23-hdc





Harvard Library - Advancing Open Knowledge

"We will advance a new model of a distributed repository network and publishing services that exemplify collaborative, equitable approaches to scholarly communications and enable seamless access to a range of digital content, such as research data as well as open access publications."

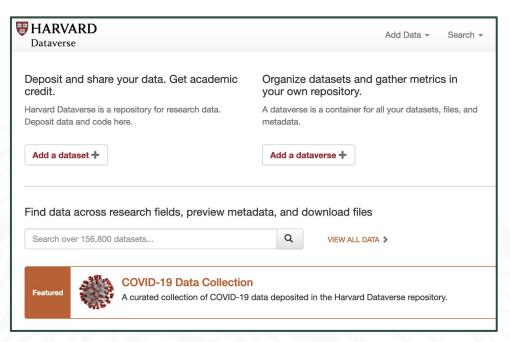
Advancing Open Knowledge

Harvard Dataverse Overview

HARVARD

Harvard's open online repository for sharing, preserving, citing, exploring and analyzing research data.

Over 1.5M downloads for 2022-2023 Over 50M downloads overall Over 6,000 published collections Over 164,000 datasets Over 2M files



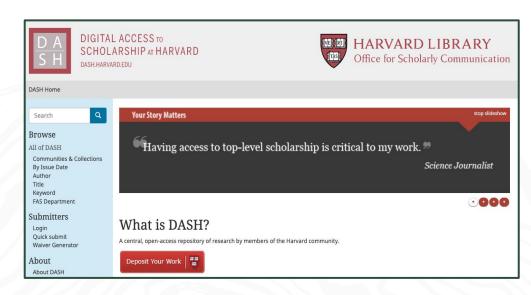
https://dataverse.harvard.edu/



DASH Overview

Harvard's central, open-access, institutional repository, providing a global audience nearly 58,000 works of university-based scholarship. DASH, launched in 2008, now sees an average of 7M downloads per year.

Built on DSpace



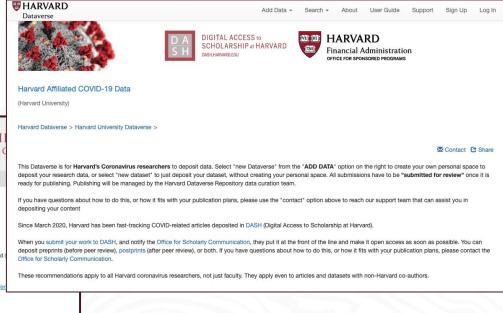
https://dash.harvard.edu/



COVID-19 data and publications

Crosslinking COVID resources in Harvard's DASH and Harvard Dataverse repository





COVID-19 works in DASH (Mar-Sept 2020): ≈40 works; 437K downloads

277 related COVID-19 files in Harvard Dataverse Repository

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Notify for DASH and Harvard Dataverse repository?





Created by Deuxamis_moon from the Noun Project







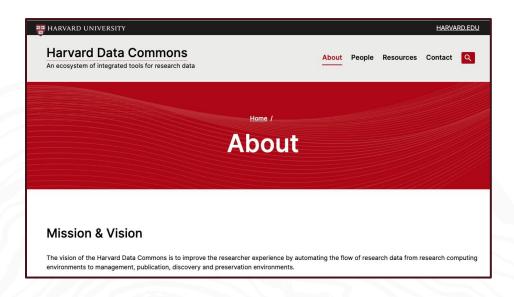
Created by Steve Morris from the Noun Project

Harvard Data Commons



Vision of the Harvard Data Commons:

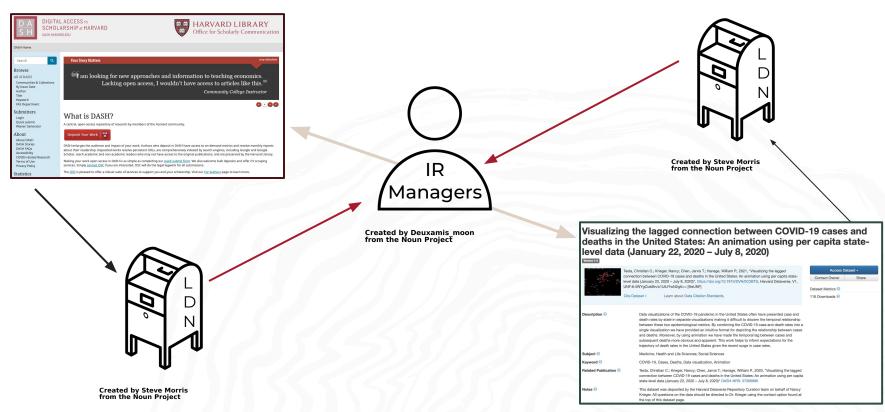
To improve the researcher experience by automating the flow of research data from research computing environments to management, publication, discovery and preservation environments.



https://sites.harvard.edu/harvard-data-commons/

HDC Objective 3B - COAR:Notify for DASH and Harvard Dataverse repository





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COAR Notify Protocol



Home Notification Patterns Notify Vocabulary Use-cases Example Scenarios

About Feedback

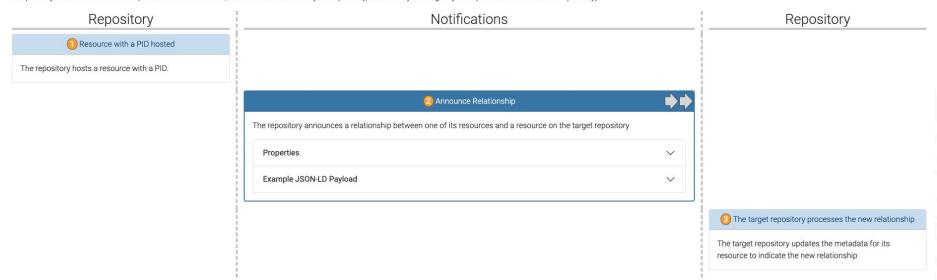
Home > Example Scenarios > Repository announces relationship between local resource and second resource hosted on another repository

Example Scenario

Repository announces relationship between local resource and second resource hosted on another repository

See these use-cases to understand this scenario in context: Dissemination

A repository announces a relationship between two resources, one of which is hosted by the repository, the other by the target system (which could be another repository)



COAR Notify Protocol



Home Notification Patterns Notify Vocabulary Use-cases Example Scenarios About Feedback

Home » Notification Patterns » Announce Relationship

Notification Pattern

Announce Relationship

Description: This pattern is used to announce a relationship between two resources

Pattern Categories: Announcements

Properties

@context

The @context must include:

- · https://www.w3.org/ns/activitystreams
- https://purl.org/coar/notify

id

Notify payloads must describe an AS 2.0 activity. The activity has an id which must be a URI, and the use of URN:UUID is recommended. An HTTP URI may be used instead, but in such cases the URI should resolve to a useful resource.

type

The activity has a type which should include Announce & coar-notify:RelationshipAction

actor

The actor describes the party responsible for this activity. The actor has:

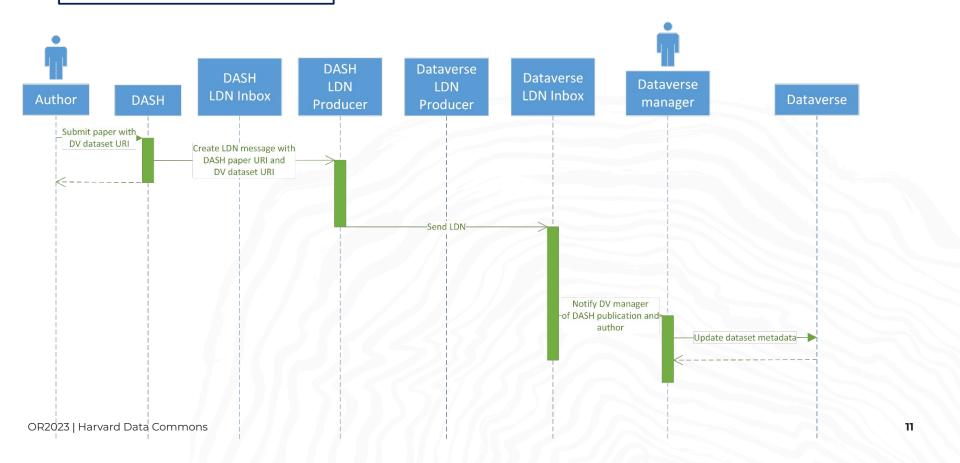
Example JSON-LD Payload

```
"@context": [
 "https://www.w3.org/ns/activitystreams",
 "https://purl.org/coar/notify"
"actor": {
 "id": "https://research-organisation.org",
 "name": "Research Organisation",
 "type": "Organization"
"context": {
 "id": "https://another-research-organisation.org/repository/datasets/item/201203421/",
 "ietf:cite-as": "https://doi.org/10.5555/999555666",
 "type": "sorg:AboutPage".
 "url": {
   "id": "https://another-research-organisation.org/repository/datasets/item/201203421/data_archive.zip",
   "mediaType": "application/zip",
   "type": [
     "Article",
      "sorg:Dataset"
```

https://notify.coar-repositories.org/patterns/announce-relationship/

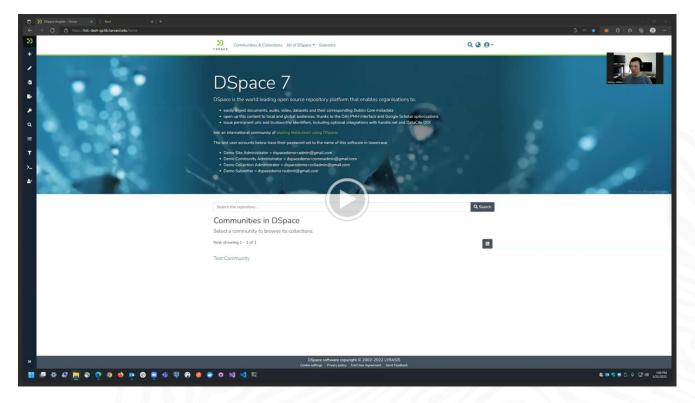
Deposit to DASH with URI of Dataverse dataset





In Action





https://bit.ly/or23-hdc-demo



Status and Next Steps

Dataverse

• COAR Notify features currently in 'main' project

DSpace / DASH

- Prototype of COAR Notify in local DSpace7
- Implement COAR Notify in DSpace7 (8?)

Collaboration

Additional COAR Notify use cases: overlay journals?



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Thank You

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