

SMIRC 2022

# Facilitating crosslinking services in an institutional repository

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# COVID-19 data and publications

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

**DASH** DIGITAL ACCESS TO SCHOLARSHIP AT HARVARD  
DASH.HARVARD.EDU

**HARVARD** Office for Scholarly Communication

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- By Issue Date
- Author
- Title
- Keyword
- FAS Department

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**About**

- About DASH
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- DASH FAQs
- Accessibility
- COVID-related Research
- Terms of Use
- Privacy Policy

### Calling on Harvard's coronavirus researchers

When you have COVID-related research ready to share, we recommend two steps.

1. [Deposit](#) your article(s) in [DASH](#) (Digital Access to Scholarship at Harvard).
  - o Since March 2020, we've been fast-tracking COVID-related research into DASH. When you [submit your work](#), the front of the line and make it open access as soon as possible.
  - o You can deposit preprints (before peer review), [postprints](#) (after peer review), or both.
  - o If you have questions about how to do this, or how it fits with your publication plans, please contact the [Office for Scholarly Communication](#).
2. [Deposit](#) your dataset(s) in the [COVID-19 Harvard Dataverse repository](#).
  - o If you have questions about how to do this, or how it fits with your publication plans, please contact [Harvard Dataverse support](#).

These recommendations apply to all Harvard coronavirus researchers, not just faculty. They apply even to articles and datasets with non-Harvard co-authors.

Thanks for doing this important research and thanks for sharing it with the world!

[Harvard Office for Scholarly Communication](#) (for DASH)  
[Harvard Institute for Quantitative Social Science](#) (for Dataverse)

**HARVARD** Dataverse

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**DASH** DIGITAL ACCESS TO SCHOLARSHIP AT HARVARD  
DASH.HARVARD.EDU

**HARVARD** Financial Administration  
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### Harvard Affiliated COVID-19 Data

(Harvard University)

Harvard Dataverse > Harvard University Dataverse >

Contact Share

This Dataverse is for **Harvard's Coronavirus researchers** to deposit data. Select "new Dataverse" from the "ADD DATA" option on the right to create your own personal space to deposit your research data, or select "new dataset" to just deposit your dataset, without creating your personal space. All submissions have to be **submitted for review** once it is ready for publishing. Publishing will be managed by the Harvard Dataverse Repository data curation team.

If you have questions about how to do this, or how it fits with your publication plans, please use the "contact" option above to reach our support team that can assist you in depositing your content

Since March 2020, Harvard has been fast-tracking COVID-related articles deposited in [DASH](#) (Digital Access to Scholarship at Harvard).

When you [submit your work to DASH](#), and notify the [Office for Scholarly Communication](#), they put it at the front of the line and make it open access as soon as possible. You can deposit preprints (before peer review), [postprints](#) (after peer review), or both. If you have questions about how to do this, or how it fits with your publication plans, please contact the [Office for Scholarly Communication](#).

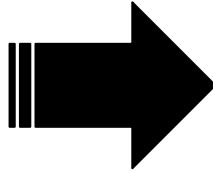
These recommendations apply to all Harvard coronavirus researchers, not just faculty. They apply even to articles and datasets with non-Harvard co-authors.

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

277 related COVID-19 files in Dataverse

# What is LDN?

*Linked Data Notifications is a protocol that describes how servers (receivers) can have messages pushed to them by applications (senders), as well as how other applications (consumers) may retrieve those messages. Any resource can advertise a receiving endpoint (Inbox) for the messages. Messages are expressed in RDF, and can contain any data.*



LDN enables a repository to receive and send notifications...

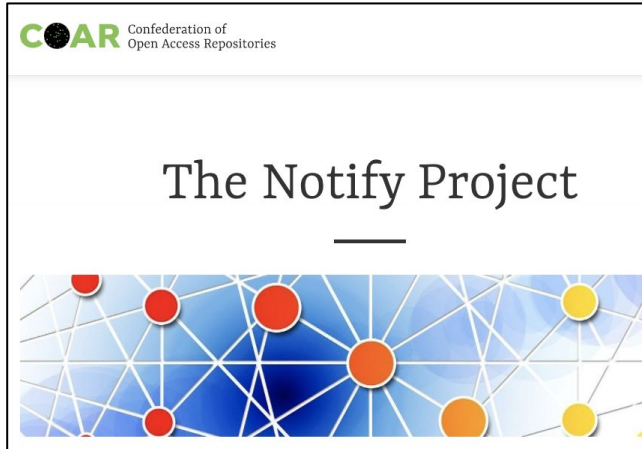
...related to the content it hosts (or may decide to host)...

...without passing the content itself back and forth

[Linked Data Notifications, W3C Recommendation 2 May 2017](#)

**Could LDN help us link related outputs between DASH and Dataverse?**

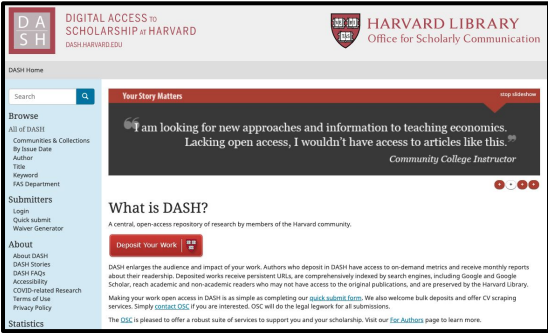
# Inspiration



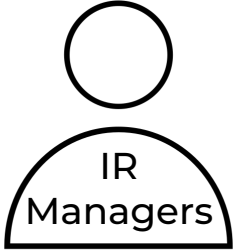
*...a standard, interoperable, and decentralised approach to linking research outputs hosted in the distributed network of repositories with resources from external services...using linked data notifications*

[COAR's Notify Project](#)

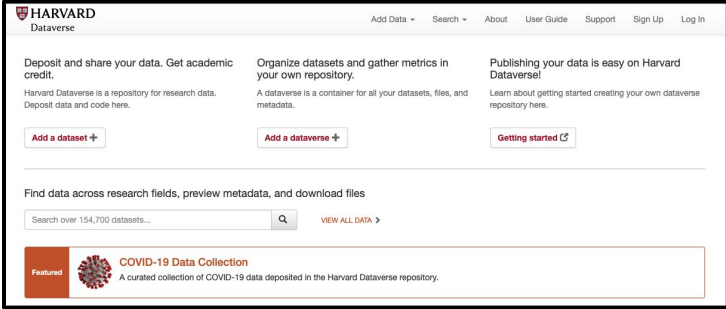
# LDN for DASH and Dataverse?



Created by Steve Morris from the Noun Project

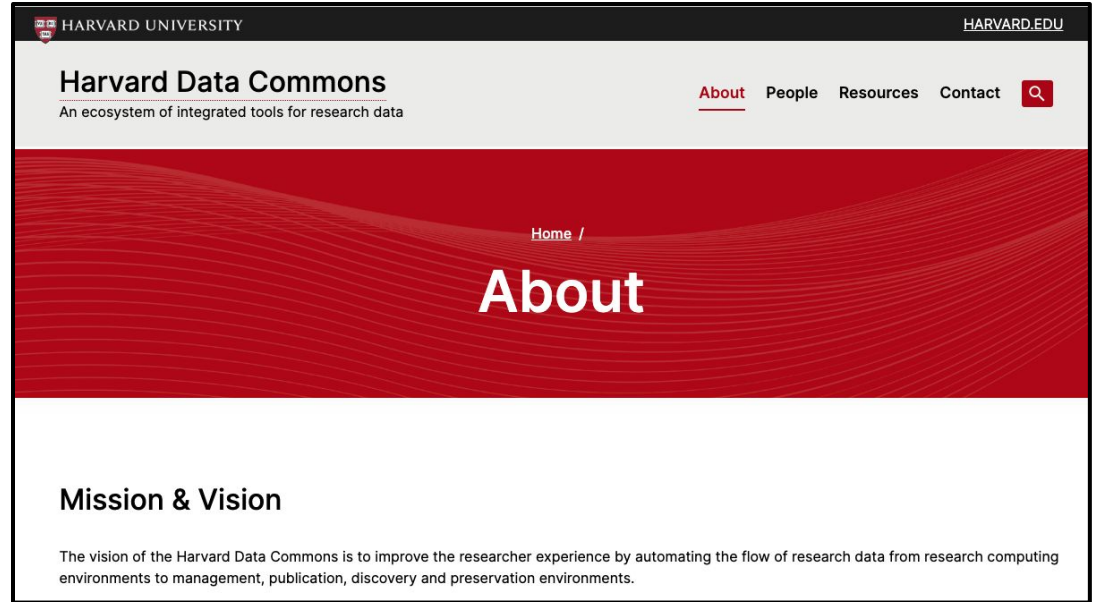


Created by Deuxamis moon from the Noun Project



# Harvard Data Commons

The vision of the Harvard Data Commons is to improve the researcher experience by automating the flow of research data from research computing environments to management, publication, discovery and preservation environments.



1. Automating the technical pipeline between the research computing infrastructures and Dataverse
2. Enhancing Dataverse to support machine-actionable workflows of various types, and
3. Automating connections between research systems and key library systems used for archiving and publication

# Harvard Data Commons

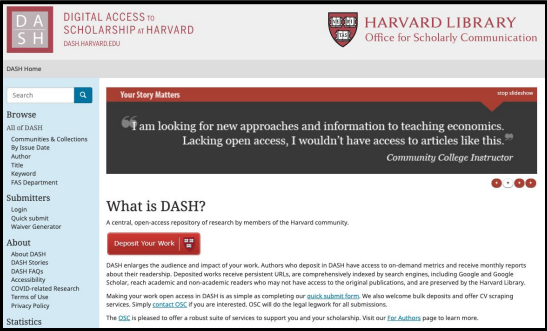
Objective 3 - Automating connections between research systems and key library systems used for archiving and publication

Objective 3B - Integrate Harvard Dataverse with DASH to connect datasets with open access publications

Work packages include:

- Specify Linked Data Notification (LDN) message exchanges between Dataverse and DASH
- Extend Dataverse submission UI to support adding a DASH text URI
- Extend DASH submission UI to support adding a Dataverse dataset URI
- Implement or reuse producer and consumer of LDN messages
- Test

# HDC Objective 3B - LDN for DASH and Dataverse



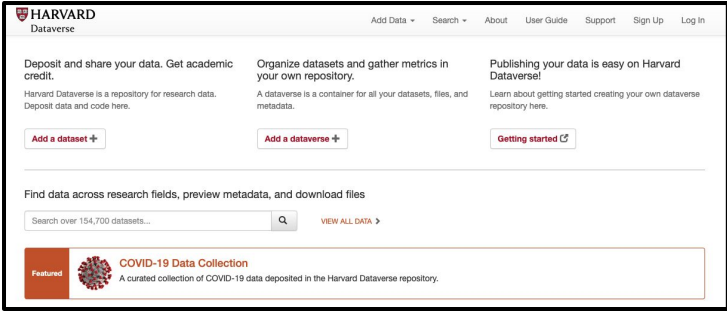
Created by Steve Morris from the Noun Project



Created by Deuxamis\_moon from the Noun Project



Created by Steve Morris from the Noun Project





# Benefits of LDN to crosslink between DASH & Dataverse

**Increase administrative efficiency:** LDN messages alert repository administrators to add the provided link to the indicated record (More automation is possible in the future)

**Choose your adventure:** Crosslinking can begin in DASH (paper) or in Dataverse (dataset), giving authors greater ease of use

**Enable exploration:** Given the workflow efficiency, we hope to increase the number of crosslinked related outputs in order to encourage deeper exploration of the open scholarly resources Harvard researchers have made available to the public

**Bespoke — be gone:** 3 cheers for a *standard, interoperable, and decentralized approach*, as the Notify Project puts it

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# Thank you!

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