

# Open Research Infrastructure Program Updates from Lyrasis

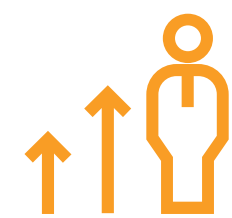
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# Open Research Infrastructure Programs at Lyrasis



## ORCID US Community

ORCID = Open  
Researcher & Contributor  
Identifier



## Lyrasis DataCite US Community

For DOIs (Digital Object  
Identifiers)



## IRUS US Community

IRUS = Institutional  
Repository Usage  
Statistics

# IRUS US Community

## Institutional Repository Usage Statistics

- IRUS service based at Jisc in the UK
- US program is led by Lyris, for US organizations interested in implementing COUNTER-based IR usage stats
- All IRUS stats are open and comparable





# How it Works

- ❖ Platform-level summaries
  - Investigations (views)
  - Requests (downloads)
  - Can filter by item type
- ❖ Item-level reports
  - All of the above +
  - Lists stats for each individual item
- ❖ Stats by author (via ORCID)

## Platform Widget Example



Item_Type	Reporting_Period_Total	Aug-2021	Sep-2021	Oct-2021
Article	199,001	59,620	64,803	74,578
Audio	3,007	844	1,083	1,080
Book	3,140	450	736	1,954
Book Section	14,001	3,750	4,681	5,570
Conference Item	11,846	3,494	3,918	4,434
Dataset	14,806	5,011	4,591	5,204
Image	33,523	11,651	10,662	11,210
Learning Object	1,168	262	435	471
Moving Image	2,917	942	1,038	937
Other	2,490	744	769	977
Patent	2	0	2	0
Report	11,913	4,426	3,104	4,383
Thesis or Dissertation	78,824	26,423	25,070	27,331
Website	657	166	229	262
Working Paper	15,067	4,701	5,059	5,307
{Unspecified}	353	107	111	135
- All -	392,715	122,591	126,291	143,833

# IRUS produces COUNTER-conformant stats



International standard for usage data,  
used by vendors & publishers globally



Stats can be shared, compared, and  
benchmarked



# How is Michigan using IRUS? - Justifying Investment in IR

ORCID: <https://orcid.org/0000-0002-5288-0471>

Items per page:  5  10  20  50  100

[Update Report](#)

**Notes:**

- ▶ This report shows what IRUS knows for a given author, identified by ORCID.
- ▶ Counts are totals from the start of the IRUS R5 service (January 2020), or whenever the respective repositories joined IRUS.
- ▶ ORCID coverage in IRUS is limited and dependent on repositories adding and exposing these in their metadata.

Author: Greer, S  
ORCID: <https://orcid.org/0000-0002-5288-0471>  
Number of items known to IRUS: 7

[Export Report](#)

Item <i>i</i>	Authors	Repository	Unique_Item_Requests <i>▲</i>
Debate: Trump's Response to the COVID-19 Emergency	Greer, Scott L.	Deep Blue (University of Michigan)	201
The United States confronts Ebola: Suasion, executive action, and fragmentation	Greer, Scott L.; Singer, Phillip M.	Deep Blue (University of Michigan)	122
The new political economy of healthcare in the European Union: The impact of fiscal governance	Greer, Scott L.; Jarman, Holly; Baeten, Rita	Deep Blue (University of Michigan)	82
Health policy and territorial politics: Disciplinary misunderstandings and directions for research	Greer, Scott L.	Deep Blue (University of Michigan)	58
Reinforcing Europe's failed fiscal regulatory state	Greer, Scott L.; Jarman, Holly	Deep Blue (University of Michigan)	23
The English NHS: Key attributes and challenges	Greer, Scott L.	Deep Blue (University of Michigan)	19
Post-compromise Democrats, Medicare for All and the possible futures of American health policy	Greer, Scott L.	Deep Blue (University of Michigan)	18

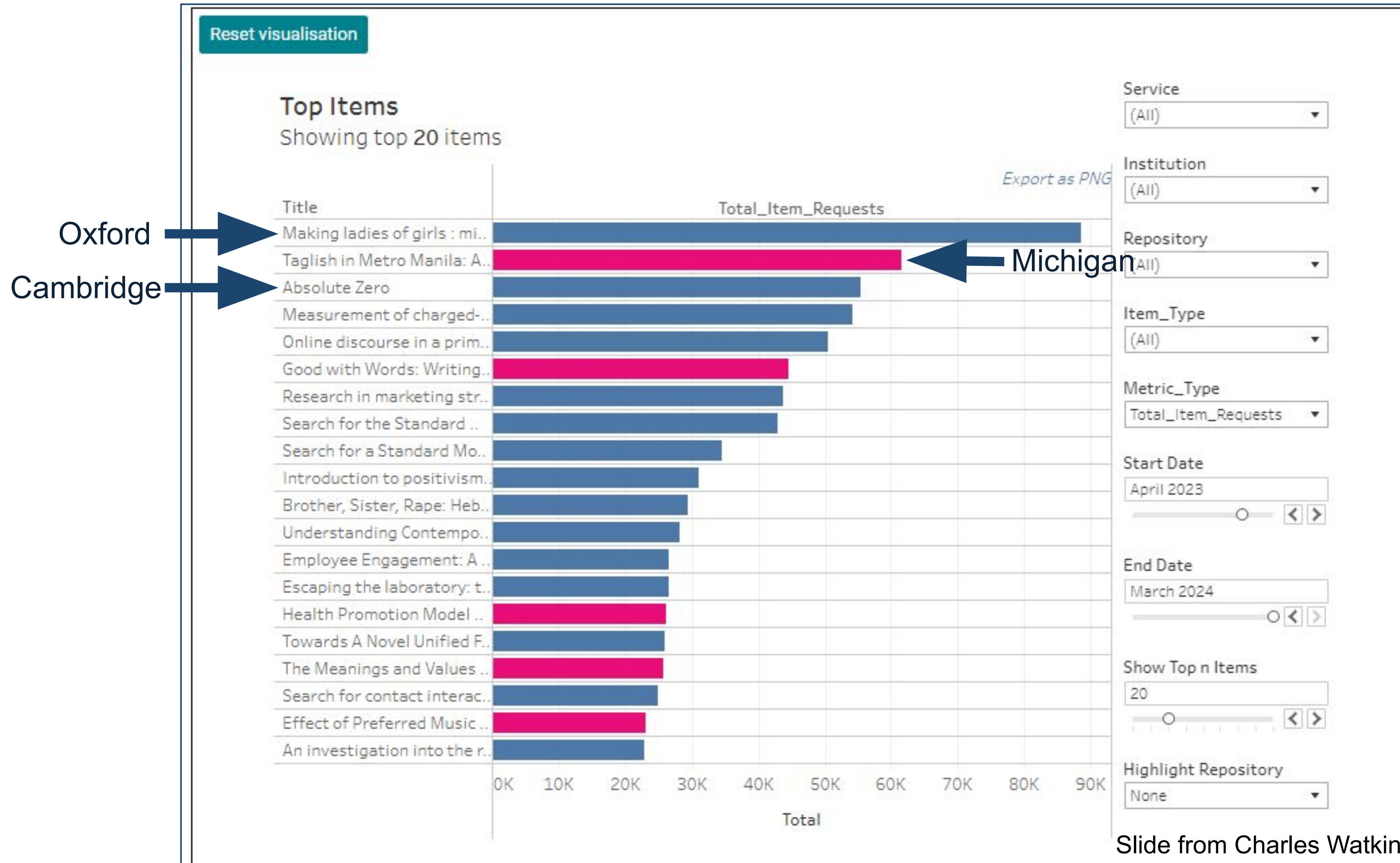
## Investment of time and effort by faculty members



<https://sph.umich.edu/faculty-profiles/greer-scott.html>



# How is Michigan using IRUS? - Justifying Investment in IR



Investment of money by the Provost

# ORCID US Community

Led by Lyrasis

- Consortium of 200+ Non-Profit ORCID Members in the US, since 2018
- Partnership between:
  - Big Ten Academic Alliance
  - Greater Western Library Alliance
  - NorthEast Research Libraries
  - Lyrasis





# ORCID = Open Researcher & Contributor IDentifier



The **ORCID iD**: a unique, persistent identifier free of charge to researchers



An **ORCID record** connected to the ORCID iD



A set of **Application Programming Interfaces (APIs)**, as well as the services and support of communities of practice that enable interoperability between an ORCID record and member organizations so researchers can choose to allow connection of their iD with their affiliations and contributions



# ORCID & Research Security

NATIONAL SCIENCE AND TECHNOLOGY COUNCIL



GUIDANCE FOR IMPLEMENTING NATIONAL  
SECURITY PRESIDENTIAL MEMORANDUM 33  
(NSPM-33) ON NATIONAL SECURITY  
STRATEGY FOR UNITED STATES  
GOVERNMENT-SUPPORTED RESEARCH AND  
DEVELOPMENT



## Create a New Document

Document name

*Enter a name to help you to identify this document.*

Format

- NIH Biosketch
- NIH Fellowship Biosketch
- NSF Biosketch
- NSF Current and Pending Support
- IES Biosketch

*Select a format for this document.*

Choose data source

- Start with a blank document
- Existing Document:
- External source:

*Your ORCID account is linked to SciENCv.*





# ORCID & Research Security: How to Prepare

 LyrasisNOW



## NSPM-33 & ORCID: Information for Research Organizations

June 14, 2022 | By Lyrasis | ORCID US

*This is a living document that will be updated over time as more details about NSPM-33-related policies become available. Last updated: April 26, 2023.*

In January 2021, the White House released a **National Security Presidential Memorandum (NSPM-33)** on United States (US) Government-Supported Research and Development National Security Policy. NSPM-33 directs Federal agencies conducting research and/or awarding research funds to

- Assess current ORCID adoption



# ORCID Data Visualization: Collaborations Map



Map based on collaborating institutions' locations. Size shows distinct count of DOIs for a collaborating institution. Any institutions/organizations in the dataset that are not represented here have not been geocoded accurately.

## List of institutions

*Click on an institution to see its location above (if available). Click on it again to deselect.*

A Magyar Tudományos Akadémia Csillagászati és Földtudományi Kutatóközpont Konkoly Thege Miklós Csillagászati Intézet Asztrofizikai Observatórium	1
Aarhus University	8
AbbVie Inc	1
Academia Sinica	7
Accademia Nazionale dei Lincei	2
ACRI-ST	1
Adelphi University	1
Adevinta Products & Technology SL	2
Adiyaman University	21
Advanced Micro Devices Inc Austin	2
AEI Potsdam	2
Aerodyne Research Inc	1
Aerodyne Research, Inc	1

# ORCID & Research Security: How to Prepare

## NSPM-33 & ORCID: Information for Research Organizations

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- Assess current ORCID adoption
- Educate researchers about ORCID
- Partner with internal stakeholders
- Become an ORCID member (if not already)
- Use the ORCID member API in your local systems



# ORCID API works with:





# Stay Updated

Visit <https://orcidus.lyrasis.org> and join the ORCID US Community listserv



The ORCID US Community, led by **Lyrasis** in partnership with the **Big Ten Academic Alliance**, the **Greater Western Library Alliance (GWLA)**, the **NorthEast Research Libraries (NERL)**, and the **Health Research Alliance**, provides a national community of practice for ORCID

**ORCID**  
Connecting Research  
and Researchers

Consortium Member  
Organization

# Lyrasis DataCite US Community

## For DataCite DOIs

- Consortium of 20+ Non-Profit Organizations in the US, since 2021
- Enables organizations to assign DOIs to local research & scholarly materials





# PIDs & the OSTP Public Access Memo



“Federal agencies should, consistent with applicable law:

- Collect and make publicly available....:
  - all author and co-author names, affiliations, and sources of funding, referencing **digital persistent identifiers**, as appropriate;
  - ii) the date of publication; and,
  - iii) **a unique digital persistent identifier** for the research output;
- Instruct federally funded researchers to **obtain a digital persistent identifier...include it in published research outputs when available...**
- **Assign unique digital persistent identifiers** to all scientific research and development awards and intramural research protocols...**linking the funding agency and their awardees through their digital persistent identifiers.**



# DOIs for FAIRness

DOIs contain **open metadata** about research and scholarly materials, making them easier to:

- ❖ **Find** - indexed in multiple databases
- ❖ **Access** - designed to persist over time
- ❖ **Interoperate** - DOIs can be included in the metadata of other PIDs (like ORCID), and linked together for related items
- ❖ **Reuse** - DOIs can be consistently cited in other works

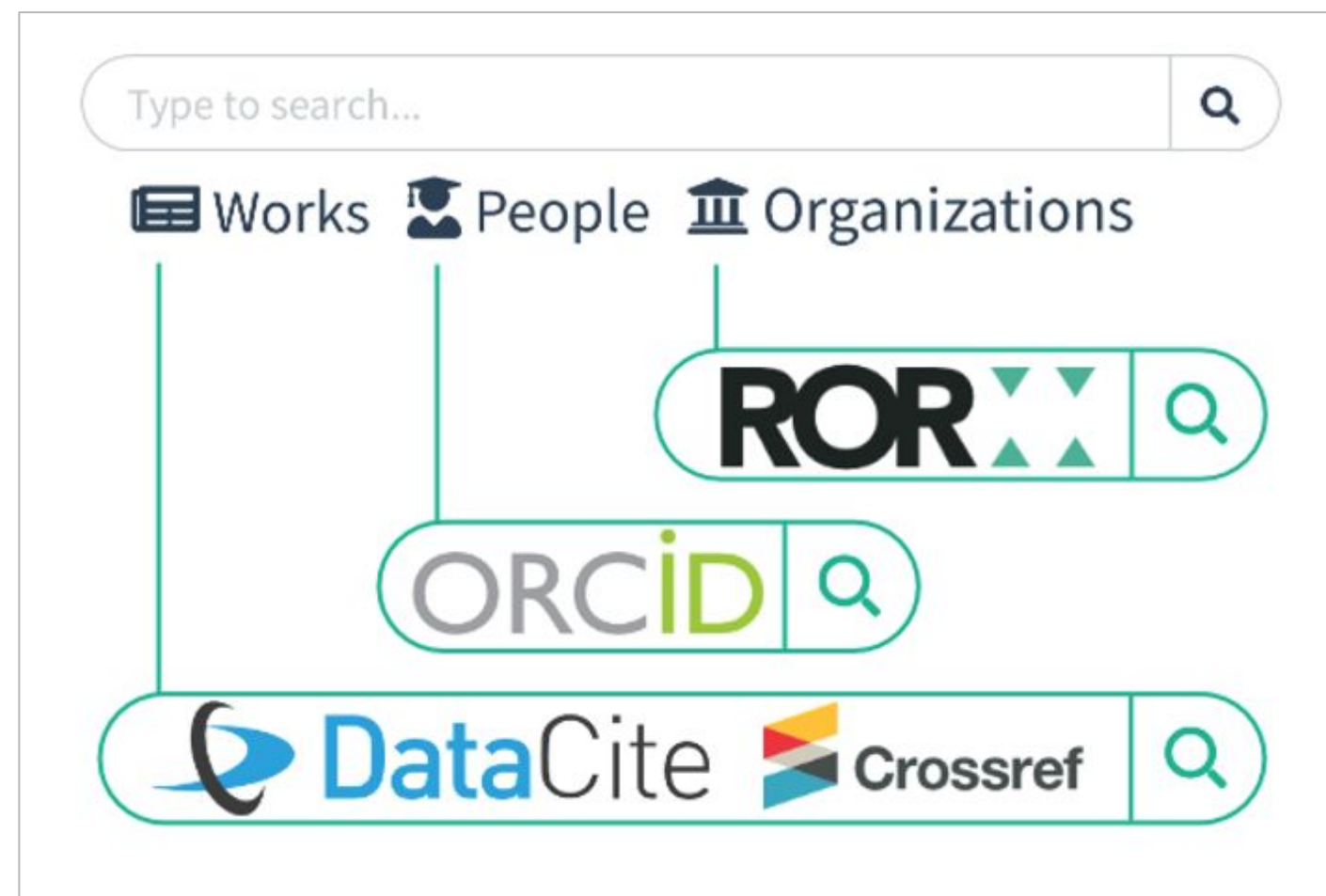


Image from Australia National Data Service:

<https://www.ands.org.au/working-with-data/fairdata/training>



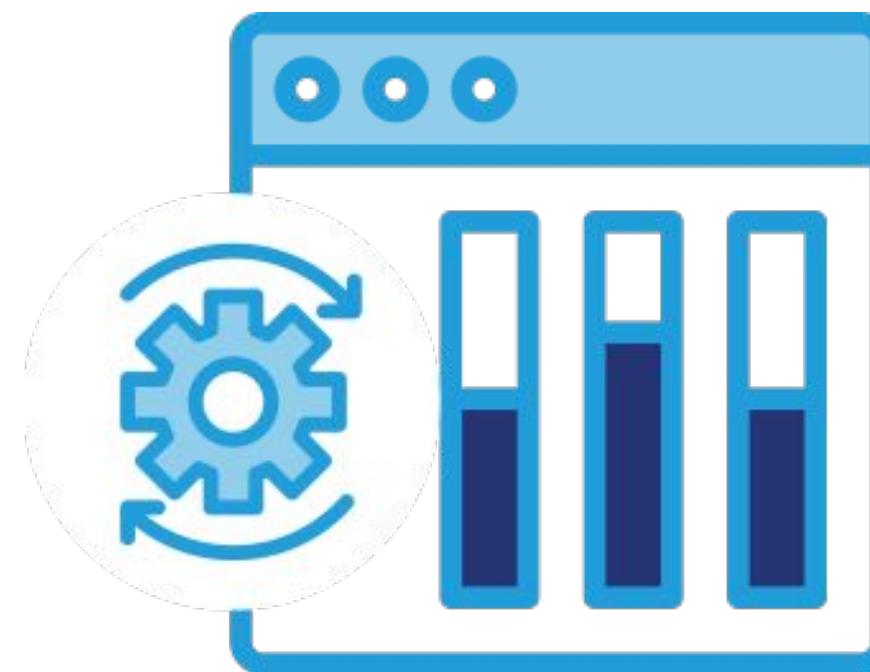
# DataCite: DOIs and Beyond



## DataCite Commons

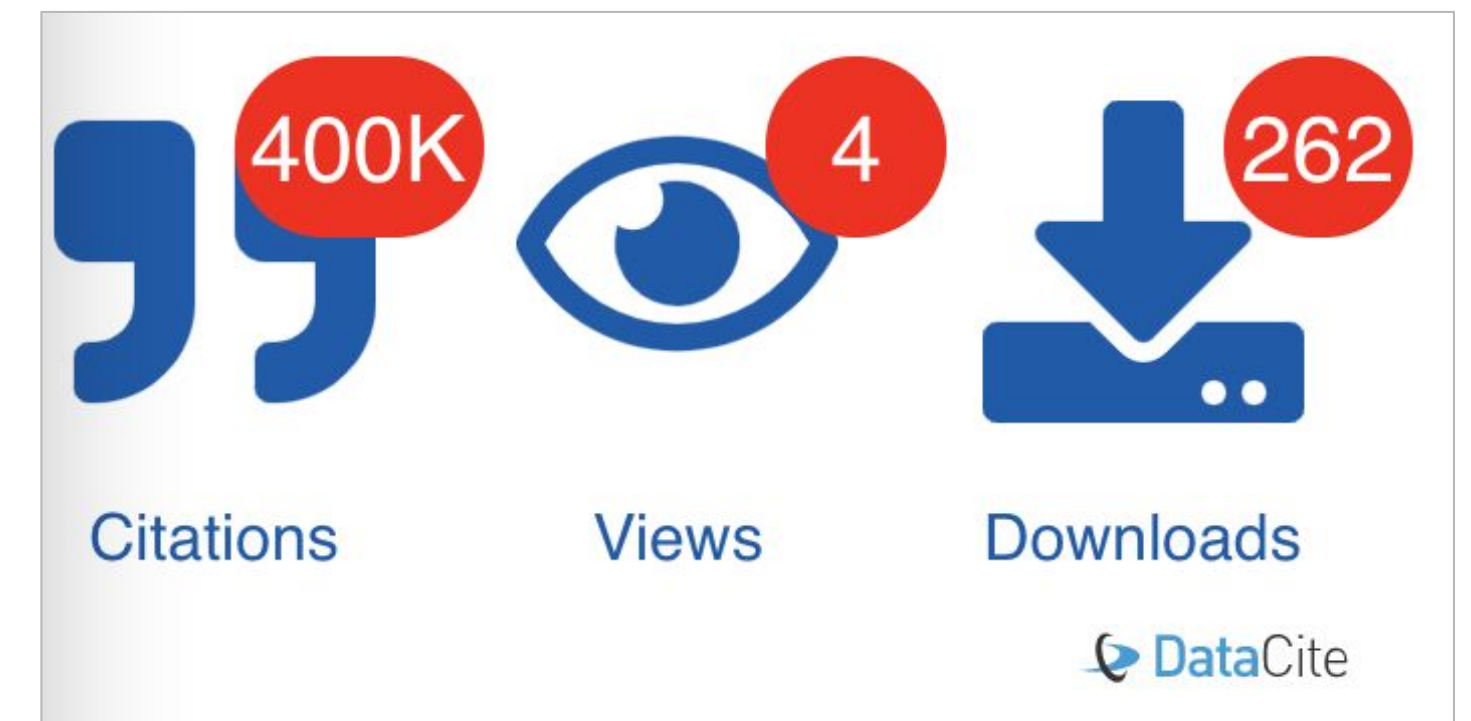
<https://commons.datacite.org>

Discover connections between different PIDs, ex: works related to an organization, datasets related to a publication



## REST API & harvesting services

DOIs can be created, and DOI metadata can be searched, retrieved, displayed and analyzed in many other software systems



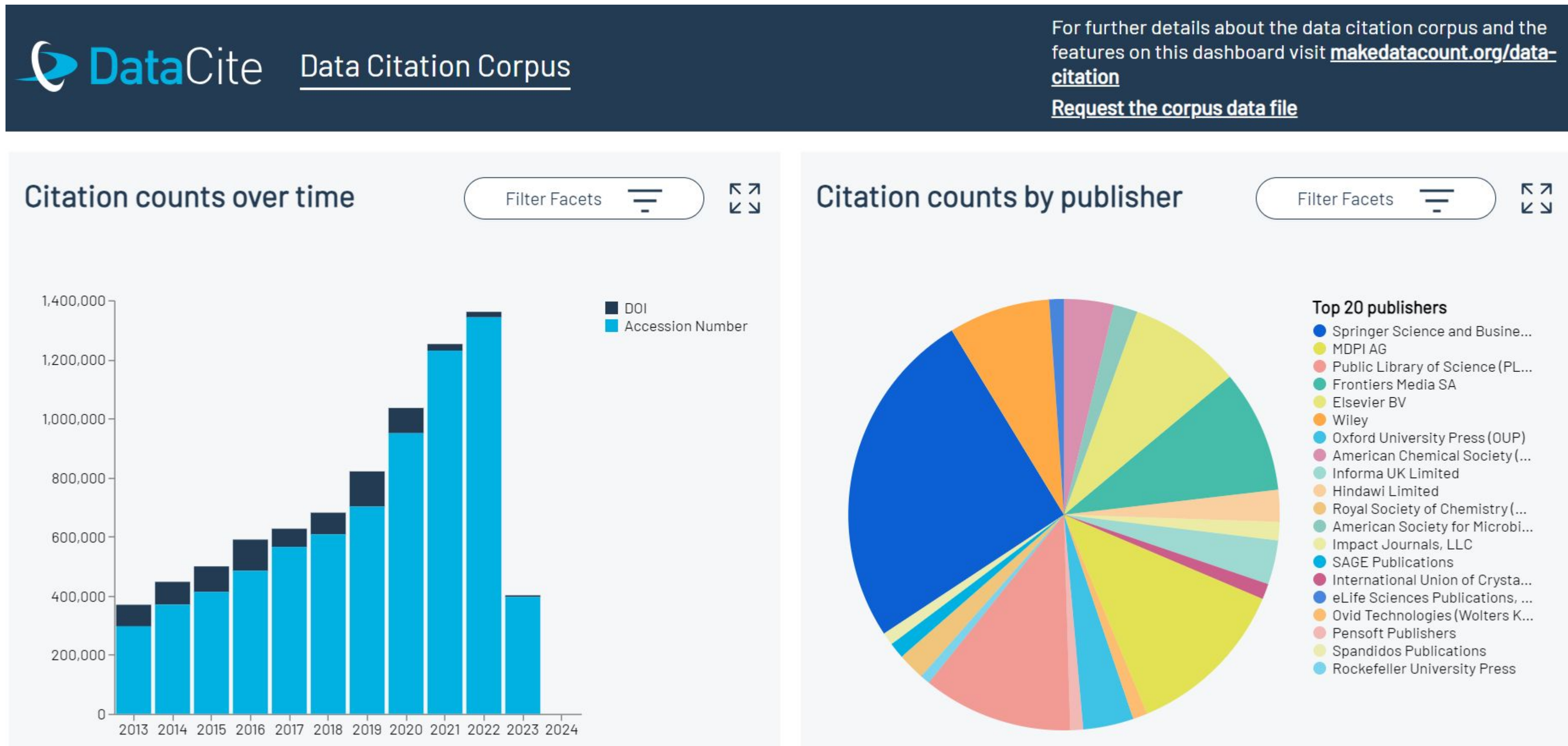
## Citation, usage metrics & Global Citation Corpus

DataCite produces & consumes Event Data to provide citation stats, and consumes COUNTER-compliant data to provide usage stats.



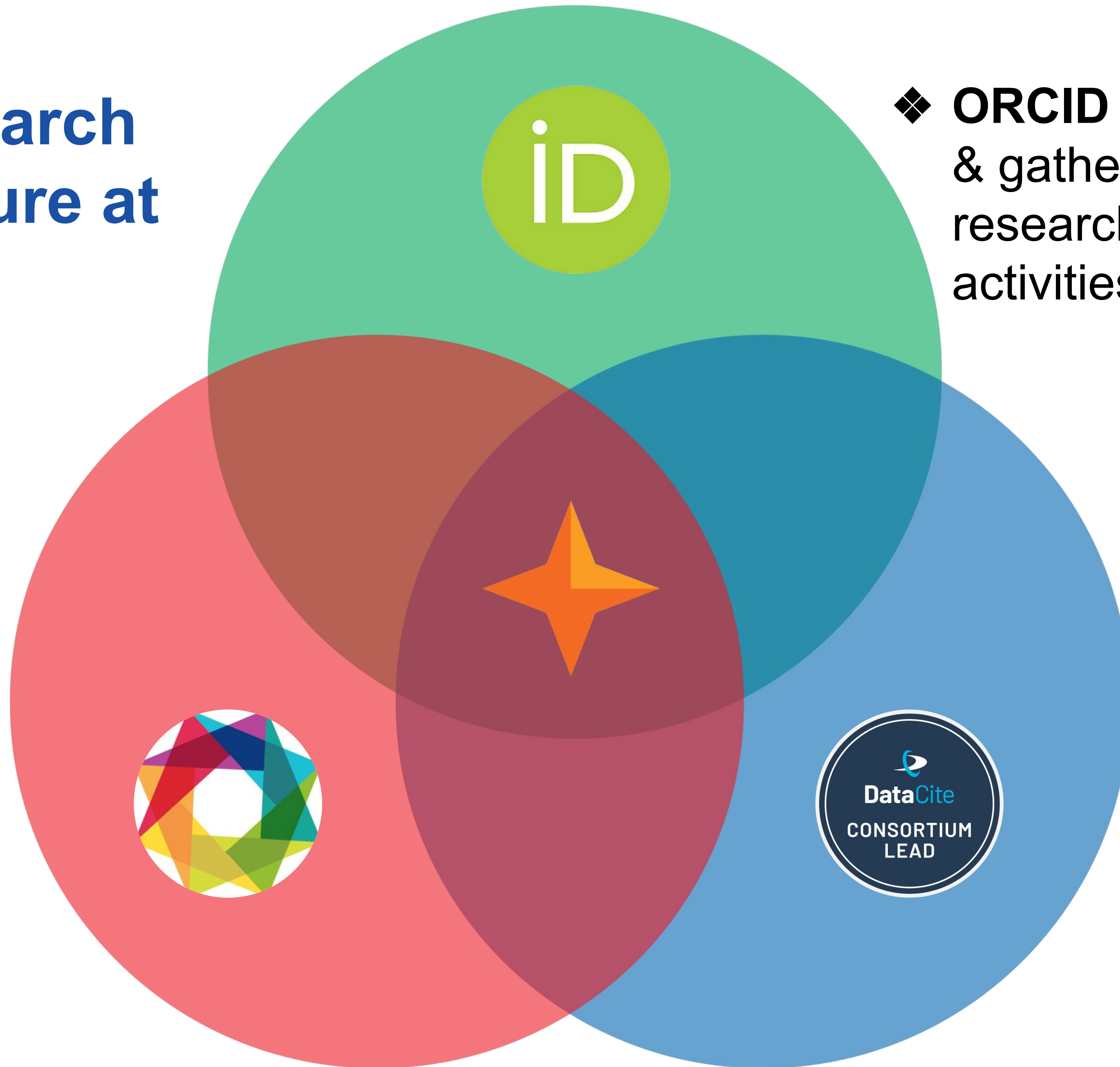
# Global Data Citation Corpus

How & where are repository items used once they are viewed/downloaded?



# Open Research Infrastructure at Lyrasis

❖ **IRUS** - gather repository & item usage stats for assessment & benchmarking



❖ **ORCID** - identify researchers & gather/analyze/visualize researcher affiliations & activities

❖ **DataCite DOIs** - make works findable, accessible & reusable



# Questions? Comments?

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