Open Research Infrastructure Program Updates from Lyrasis

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IRUS US Community

Institutional Repository Usage Statistics

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

https://www.lyrasis.org/programs/Pages/IRUS-US.aspx
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)

https://irus.jisc.ac.uk/r5/report/  
https://irus.jisc.ac.uk/r5/embed/widget/
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

Investment of time and effort by faculty members

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

Slide from Charles Watkinson, LyrOpen Fair IRUS webinar, April 18, 2024
How is Michigan using IRUS? - Justifying Investment in IR

Investment of money by the Provost

Slide from Charles Watkinson, LyrOpen Fair IRUS webinar, April 18, 2024
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

Led by Lyrasis

ORCID US Community

https://orcidus.lyrasis.org/
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

https://info.orcid.org/what-is-orcid/
ORCID & Research Security: How to Prepare

- Assess current ORCID adoption

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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...
ORCID Data Visualization: Collaborations Map

List of institutions

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

- A Magyar Tudományos Akadémia Gépügésési és Földtudományi Kutatóközpont Konkoly Thege Miklós Geológésési Intézet Aztrofizikai Observatórium
- Aarhus University
- AbWe Inc
- Academia Sinica
- Accademia Nazionale dei Lincei
- ACRI-ST
- Adelphi University
- Advanta Products & Technology SL
- Adygean University
- Advanced Micro Devices Inc Austin
- AEI Potsdam
- Aerodyne Research Inc
- Aerodynamics Research Inc

https://public.tableau.com/app/profile/sheila6994/viz/Caltech/Fullvisualization#1
ORCID & Research Security: How to Prepare

- 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

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https://lyrasisnow.org/nspm-33-orcid-information-for-research-organizations/

https://docs.google.com/forms/d/e/1FAIpQLScvXVylINWxEgD_Z1_Oy_irj7CLAvZ99PaswqNYo2FWjG7aeq/viewform
ORCID API works with:

https://orcidus.lyrasis.org/common-systems-for-integration/
Stay Updated

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

https://www.lyrasis.org/programs/Pages/DataCite-US-Community.aspx
"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

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.

https://commons.datacite.org/ror.org/007h1g065
Global Data Citation Corpus

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

https://makedatacount.org/data-citation/
Open Research Infrastructure at Lyrasis

- **ORCID** - identify researchers & gather/analyze/visualize researcher affiliations & activities
- **DataCite DOIs** - make works findable, accessible & reusable
- **IRUS** - gather repository & item usage stats for assessment & benchmarking
Questions? Comments?
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