



Advancing Public Access to Research

Consuming Identifiers: A Path to Open Science

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[@chorusaccess](#) | www.chorusaccess.org

Access • Discovery • Compliance • Identification • Preservation



CHORUS

CHORUS is creating a future where the output flowing from funded research is easily and permanently discoverable, accessible and verifiable by anyone in the world.

- 501(c)(3) not-for-profit membership organization
- Maximizes interoperability by employing widely used standards and infrastructure
- Policy agnostic – works across a spectrum of funder policies, gold and green OA business models, publishing platforms
- Broadens the dialogue among publishers, societies, funders, service providers, researchers, and other stakeholders

How Does CHORUS Help?



Funding Information

Please enter the funder name, grant number and the grant recipient. Authors listed in the dropdown menu were added during the Add/Edit/Remove Authors submission step. Click the '+' icon to add another funder. When you are finished, click the 'Next' button.

Funder Name	Grant Number	Grant Recipient	Action
Howard Hughes Medical Institute	HH 2055681	Dr. Mary François Smith ▾	
National Science Foundation	KK9898-5476	Robert Jones ▾	
National Institutes of Health (US)	897-42-98	Sarah Wilkes ▾	

Metadata from
Crossref

Previous

Next

The figure consists of two overlapping screenshots of web browser windows. The top window displays the CHORUS website, which is a search engine for the National Science Foundation. The search bar contains the text 'National Science Foundation'. Below the search bar, there is a list of publications, including 'Advances in the Chemistry of Quasidines' and 'Protein effects on the dynamics and structure of crystalline polymers'. The bottom window displays the Department of Energy PAGES website. The search bar contains the text 'penguin'. Below the search bar, there is a list of publications, including 'Role of direct CP violation in singly Cabibbo-suppressed D decays' and 'CP asymmetries in singly Cabibbo-suppressed D decays to two pseudoscalar mesons'.

Funders • Institutions • Publishers

Today's Indicators

17,819 - Publications to date, where:

- 39.8% - Are acceptable (conform to all criteria)
- 53.9% - Have a locatable full text
- 45.7% - Have an agreeable license
- 40.5% - Have a suitable archive arrangement

Key Performance Indicators - History

Date	Total	Fulltext	License	Archive	Acceptable
2010/14	17,819	~6,000	~6,000	~6,000	~6,000
2014/14	~14,000	~6,000	~6,000	~6,000	~6,000
2015/14	~14,500	~6,500	~6,500	~6,500	~6,500
2016/14	~15,000	~7,000	~7,000	~7,000	~7,000
2017/14	~15,500	~9,000	~7,500	~7,500	~7,500

Key Performance Indicators - Breakdown

AGREEABLE LICENSE

Legend: OK (dark blue), Unknown (light blue), Not OK (white)

LOCATABLE FULLTEXT

Legend: OK (dark blue), Unknown (light blue), Not OK (white)

SUITABLE ARCHIVE ARRANGEMENT

Legend: OK (dark blue), Unknown (light blue), Not OK (white)

The diagram illustrates the flow of digital preservation. At the top, a document icon represents the source material. Two arrows point from this document to two separate archival methods. The left method is 'PRESERVED IN CLOCKSS', represented by a clock icon and the text 'PRESERVED IN CLOCKSS'. The right method is 'PORTICO', represented by a square icon with a yellow and black triangle and the text 'PORTICO'. A text box on the right side of the diagram states: 'Government maintained or other 3rd-party dark archive'.



American Chemical Society



THE ROCKEFELLER
UNIVERSITY
PRESS



Association for
Computing Machinery



PNAS



Taylor & Francis Group
an informa business



SOCIETY OF EXPLORATION
— GEOPHYSICISTS —



Hindawi



The Company of
Biologists



IOP Publishing



THE
ROYAL
SOCIETY
WILEY

Atypo



CAMBRIDGE
UNIVERSITY PRESS



AMERICAN
PSYCHOLOGICAL
ASSOCIATION

Journal of Orthopaedic & Sports Physical Therapy

JOSPT



ELSEVIER

eJournalPress



GeoScienceWorld



SPRINGER NATURE



The Association of
Learned & Professional
Society Publishers

SILVERCHAIR
INFORMATION / SYSTEMS



HighWire

Cenveo.
publisher services

*Research funders working with **CHORUS** as part of their public-access plans, pilot projects, or linking arrangements*



Australian Government
Australian Research Council

Consuming IDs

ORCIDiD



Publishers
Content DOI
Funder ID



Content DOI
Funder ID



Monitor and Audit Public Access



ORCID ID
Content DOI

Content DOI
Verification Metadata

Grant ID
Content DOI
Funder ID

Content DOI
Funder ID

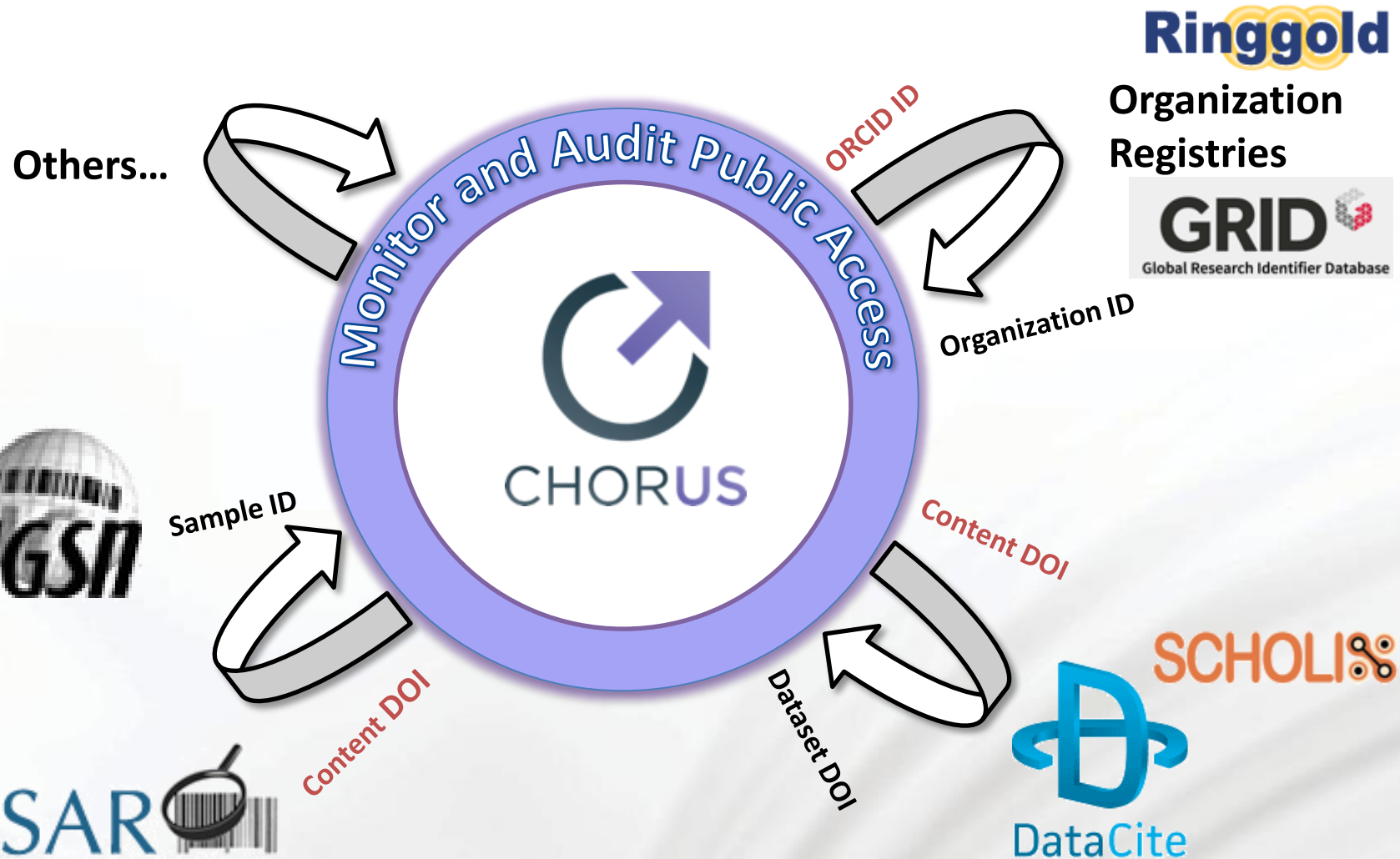
Verification Metadata



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Other IDs on the Horizon



CHORUS Pilots



University of
Denver

Launched Sept 2016



Launched July 2016



Australian Government
Australian Research Council



LA TROBE
UNIVERSITY

Launched March 2017

User Facilities and Publications WG

- Specialized government-sponsored research infrastructure available for external use to advance scientific or technical knowledge.
 - Researchers compete for access to facilities and specialized equipment.
 - Awards for facility access are not regularly captured within the scholarly research workflow.
- Analyzed workflows, technologies, and standards of user facilities and publishers
 - Identified key points at which information could be shared or made available for actors downstream to use and embed in their work

Participants

- US DOE National Laboratories: Argonne National Laboratory, Brookhaven National Laboratory, Oak Ridge National Laboratory, Pacific Northwest National Laboratory
- Publishers: American Chemical Society, American Physical Society, Elsevier, Wiley
- US Federal agencies: National Science Foundation, US Department of Energy
- Infrastructure providers: ORCID, CHORUS

Convened May 2017

<https://orcid.org/content/user-facilities-and-publications-working-group>

Findings October/November 2017



LEVEL-UP AND DON'T SETTLE FOR LESS



Launched September 2017

HELP US IMPROVE THE QUALITY OF METADATA FOR RESEARCH.

Metadata 2020 is a collaboration that advocates richer, connected, and reusable, open metadata for all research outputs, which will advance scholarly pursuits for the benefit of society.



RICHER

Richer metadata fuels discoverability and innovation.



CONNECTED

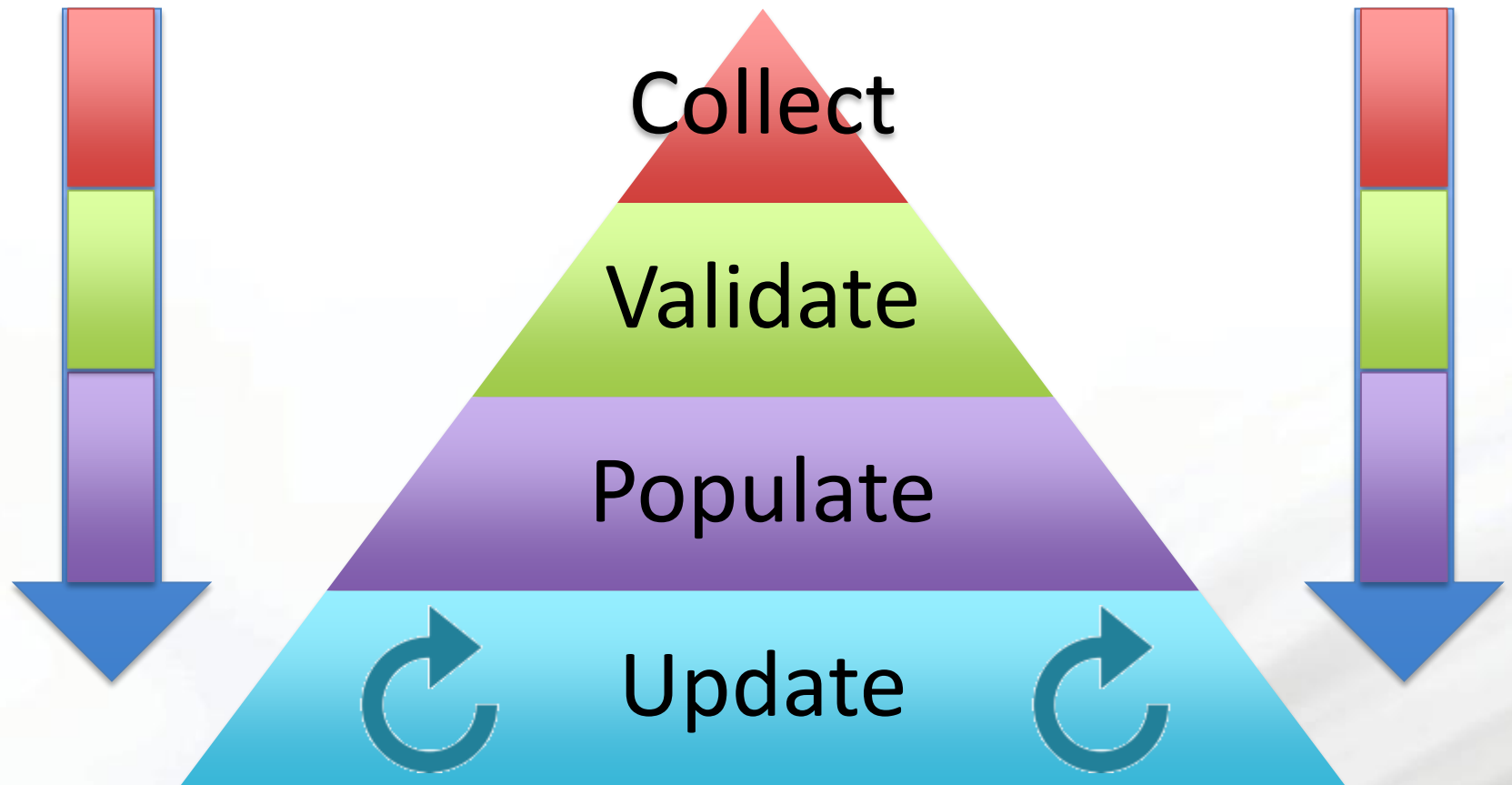
Connected metadata bridges the gaps between systems and communities.



REUSABLE

Reusable, open metadata eliminates duplication of effort.

Identifier & Metadata Best Practices





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Thank you!

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