



Canadian Research
Knowledge Network

Réseau canadien
de documentation
pour la recherche

Partnerships & Collaborations Lightning Round

Présentations éclairs sur les partenariats et collaborations

Moderator: Gwen Bird

University Librarian and Dean of Libraries, Simon Fraser University

crkn-rcdr.ca



AGENDA / PROGRAMME

Alyssa Arbuckle & Ray Siemens

INKE

Susan Brown

LINCS

Matthew Buys

DataCite

Gregory Eow

CRL

Susan Haigh

CARL/ABRC

James MacGregor & Tanja Niemann

Coalition Publica

Chris Shillum

ORCID

Cameron Neylon

COKI

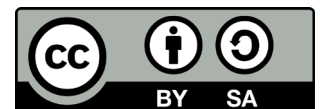


The INKE Partnership: Foundations for Social Engagement at Scale

Thursday October 29th 2020
2020 CRKN Virtual Conference

inke.ca | [@INKEProject](https://twitter.com/INKEProject)

Ray Siemens (UVic) & Alyssa Arbuckle (UVic)



The **INKE Partnership** brings together leaders—including scholars, policy makers, libraries, research computing organizations, targeted interest groups, and postsecondary institutions—with the aim of realizing **open, inclusive, and publicly-engaged scholarship** that serves both academic interests and society at large.

Challenge

The movement toward open, digital scholarship is encountering significant interrelated challenges:

- Economic
- Infrastructural
- Access issues
- Implementation



Goal: *open social scholarship*





Open social scholarship enables the creation, dissemination, and engagement of open research by specialists and non-specialists in accessible and significant ways



Team

- Project Director: Ray Siemens (U Victoria)
- Co-facilitators: Alyssa Arbuckle (U Victoria), Lynne Siemens (U Victoria), Jon Bath (U Saskatchewan), Constance Crompton (U Ottawa), Tanja Niemann (Érudit), Laura Estill (St Francis Xavier U), Jon Saklofske (Acadia U)
- 29 [Partners](#)
- 26 [Researchers](#): 13 [Co-applicants](#), 13 [Collaborators](#)



INKE Partners 1/2

- Advanced Research Consortium (ARC)
- Canadian Association of Research Libraries (CARL)
- Canadian Institute for Studies in Publishing (CISP)
- Canadian Research Knowledge Network (CRKN)
- Canadian Writing Research Collaboratory (CWRC)
- Centre de recherche interuniversitaire des humanités numériques (CRIHN)
- Centre for 21st Century Humanities (C21CH)
- Compute Canada
- DH Downunder
- Digital Humanities Research Group (DHRG), Western Sydney U



INKE Partners 2/2

- Digital Humanities Summer Institute (DHSI)
- Edith Cowan University (ECU)
- Érudit
- Federation for the Humanities and Social Sciences
- Iter: Gateway to the Renaissance
- Janet Halliwell Associates
- Public Knowledge Project
- Simon Fraser U Library
- UVic Libraries
- Voyant Tools

Clusters

Connection

Training

Policy

Community

Intersections with CRKN's strategic goals

- Transforming scholarly communications
- Develop and foster partnerships
- Collaborative advocacy
- CRKN Approach to Open Scholarship (strategic project)



Partnership with CRKN: a “win-win”

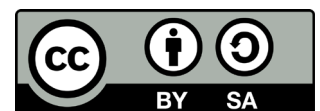
- mutual benefit of pursuing shared goals together
- value of research infrastructure that CRKN facilitates for Canada
- connection with our own national projects (e.g. Canadian HSS Commons, Open Scholarship Policy Observatory)





Thank you!

Ray Siemens (siemens@uvic.ca | @RayS6)
Alyssa Arbuckle (alyssaa@uvic.ca | @arbuckle_alysa)
inke.ca | @INKEProject





Linked Infrastructure for
Networked Cultural Scholarship

The Linked Infrastructure for Networked Cultural Scholarship: Partnerships and Collaboration with CRKN

Susan Brown

Canada Research Chair in Collaborative Digital Scholarship
University of Guelph

2020 CRKN Virtual Conference - Lightning Presentation

License: CC-BY-NC



L'infrastructure liée pour les
données culturelles reliées

The Linked Infrastructure for Networked Cultural Scholarship

- CFI Cyberinfrastructure project
- 3 years (2020-2023)
- 50+ researchers and collaborators in the humanities, social sciences, library and information science, computer science
- 14 university and other partners

LINCS will convert, enhance, mobilize, link, and make accessible existing datasets, and thereby enable research on the vast and heterogeneous body of data relevant to human culture, history, and knowledge, both in Canada and throughout the world.

LINCS strategy: Linked Open Data

Linked Open Data

- makes “strings” of text into “things” with unique IDs
- making web (links) meaningful (“semantic”) and machine-processable

Benefits

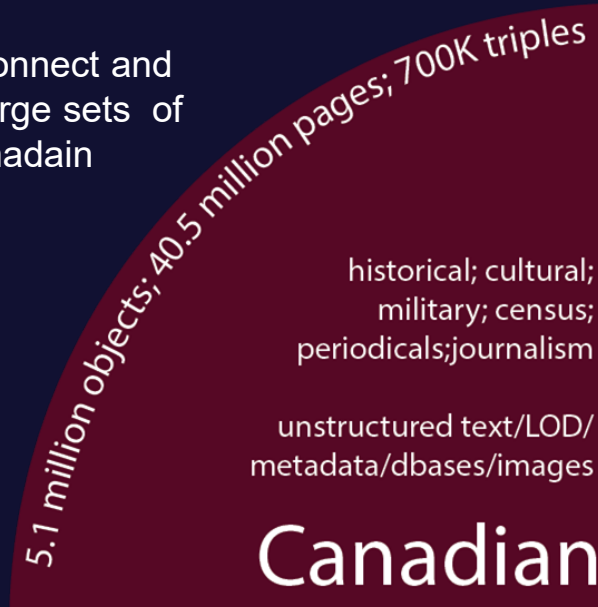
discoverability

sharing | interoperability | re-use

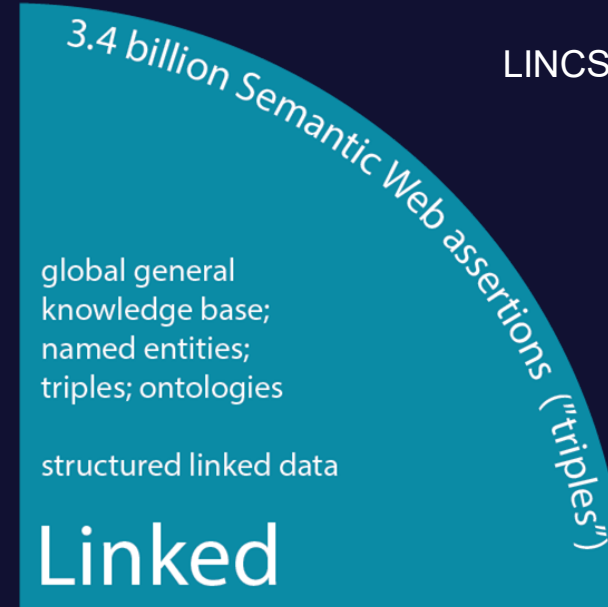
inferencing | serendipity



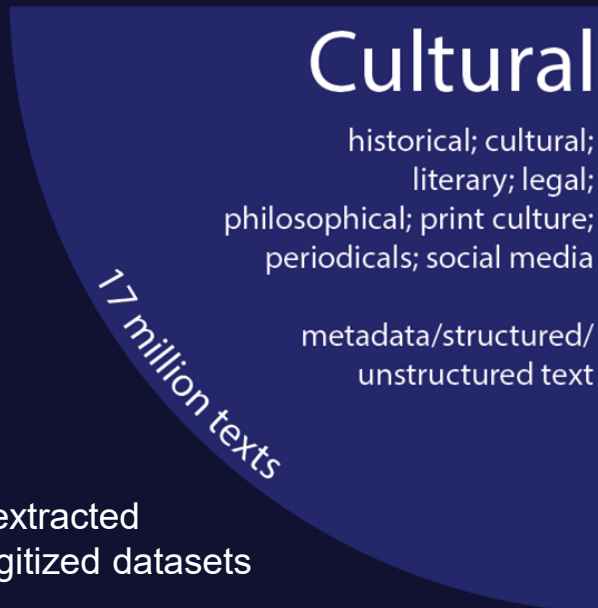
LINCS will connect and connect to large sets of digitized Canadian content



LINCS data will be linked to the global graph



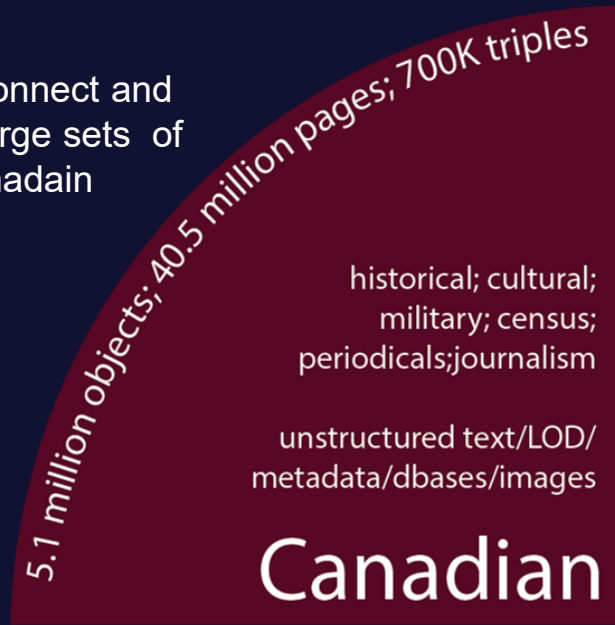
LOD will be extracted from large digitized datasets



Researcher datasets and needs are at the heart of LINCS



LINCS will connect and
connect to large sets of
digitized Canadian
content



LINCS data will be linked
to the global graph



LINCS will connect and connect to large sets of digitized Canadian content

5.1 million objects; 40.5 million pages; 700K triples

historical; cultural;
military; census;
periodicals; journalism

unstructured text/LOD/
metadata/dbases/images

Canadian



LINCS data will be linked to the global graph



5.1 million objects; 40.5 million pages; 700K triples

historical; cultural;
military; census;
periodicals; journalism

unstructured text/LOD/
metadata/dbases/images

Canadian



ORCID

Connecting Research
and Researchers

ORCID-CA Consortium

The ORCID Consortium in Canada

5.1 million objects; 40.5 million pages; 700K triples

historical; cultural;
military; census;
periodicals; journalism

unstructured text/LOD/
metadata/dbases/images

Canadian





Linked Infrastructure for
Networked Cultural Scholarship

Thank you!

Merci!

- LINCS website and newsletter: <https://lincsproject.ca/>
- Twitter [@lincsproject](https://twitter.com/lincsproject)
- We welcome new collaborators and organizational partners.
lincsproject@gmail.com

And thanks to all of the wonderful participants and partners who make LINCS possible!



L'infrastructure liée pour les
données culturelles reliées

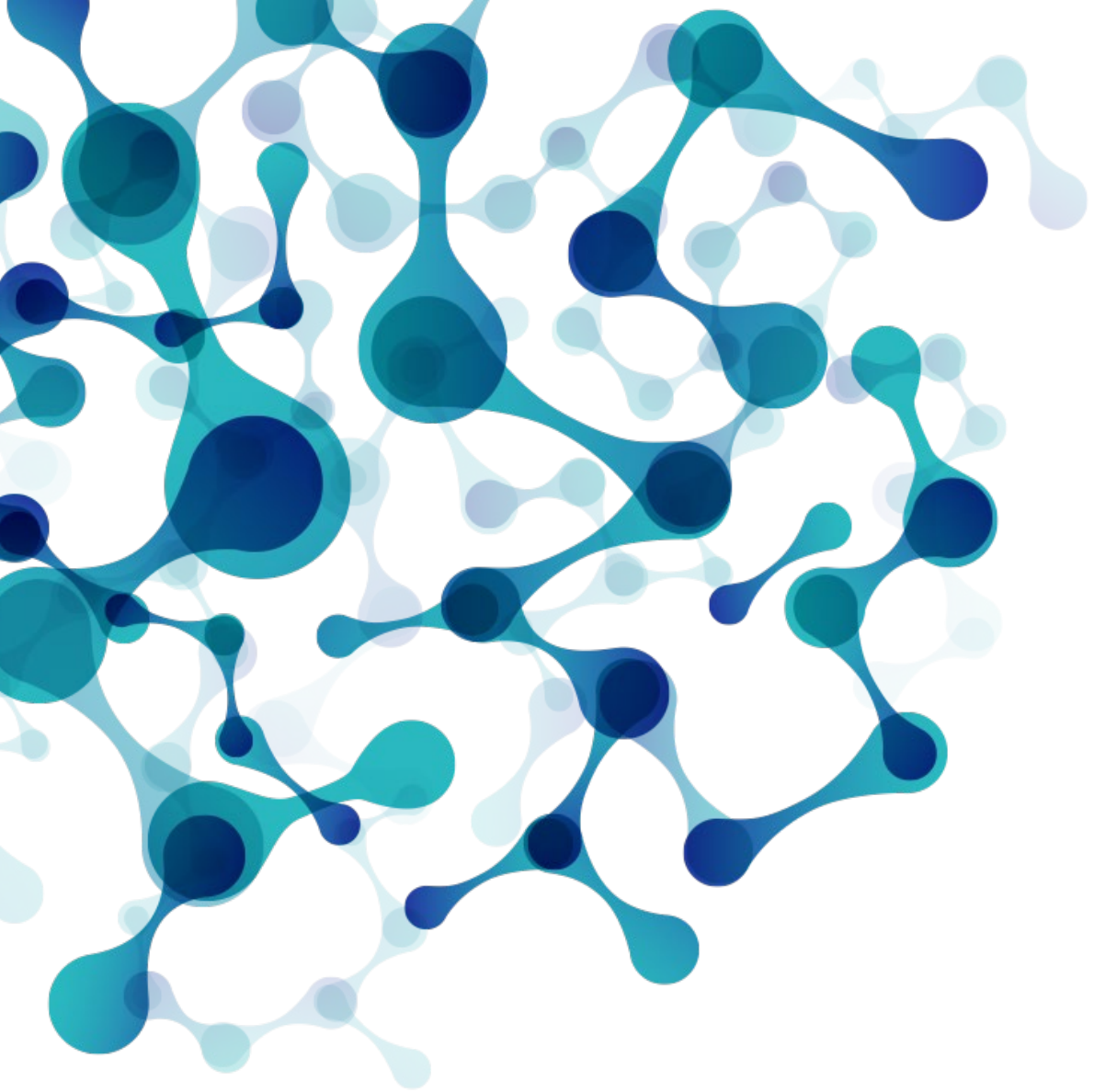
Funded by

INNOVATION.CA

CANADA FOUNDATION
FOR INNOVATION

FONDATION CANADIENNE
POUR L'INNOVATION

and partners including AB, ON, QC, BC
U of Alberta, Guelph, Ottawa, Toronto, Victoria, McGill



DataCite: Building Communities Together

CRKN Conference, Canada

October 29, 2020

Our history




Back in 2009:

There are now already **12** institutions from **9** countries under DataCite's umbrella who aim to safeguard common standards worldwide in respect of research data, thereby facilitating compliance with the rules of good scientific practice. Other institutions and countries are welcome to join DataCite.

And today:

There are now over **800** institutions from **43** countries under DataCite's umbrella who aim to safeguard common standards worldwide in respect of research data, thereby facilitating compliance with the rules of good scientific practice. Other institutions and countries are welcome to join DataCite.

[Home](#) [Members](#) [FAQs](#) [Services](#) [Resources](#) [Events](#) [Contact us](#)



Helping you to find,
access, and reuse data

DataCite

DataCite's 1st Official Members' Meeting

Published by Tom Pollard on 5 February 2010 - 12:00am

After the founding of the DataCite international initiative in London in December 2009, leading research libraries and information centres converged for the first official members' convention in Paris.

On the 5th February 2010, the inclusion of five further members was approved in the offices of the International Council for Science (ICSU):

- Australian National Data Service (ANDS), Australia
- Deutsche Zentralbibliothek für Medizin (ZB MED), Germany
- GESIS - Leibniz-Institut für Sozialwissenschaften, Germany
- Institute for Scientific and Technical Information (INIST), France
- Eidgenössische Technische Hochschule Zürich, Switzerland

There are now already 12 institutions from 9 countries under DataCite's umbrella who aim to safeguard common standards worldwide in respect of research data, thereby facilitating compliance with the rules of good scientific practice. Other institutions and countries are welcome to join DataCite.

DataCite helps researchers to find, access, and reuse data ([Impressum](#)).

Why cite data?

What is DataCite?

What do we do?

Metadata Search

Members

DataCite is represented by **leading organisations** around the world.



33 consortia

2,193 repositories

238 members

600+ consortium organizations

20M+ DOIs

43 countries

What is DataCite?



Since our founding in 2009:

We are a not-for-profit organisation formed in London on 1 December 2009. Our aim is to:

- establish easier access to research on the Internet
- increase acceptance of research data as legitimate, citable contributions to the scholarly record
- support data archiving that will permit results to be verified and re-purposed for future study.

These goals are laid down in the DataCite [statutes](#).



Helping you to find,
access, and reuse data

DataCite

What is DataCite?

We are a not-for-profit organisation formed in London on 1 December 2009. Our aim is to:

- establish easier access to research data on the Internet
- increase acceptance of research data as legitimate, citable contributions to the scholarly record
- support data archiving that will permit results to be verified and re-purposed for future study.

These goals are laid down in the DataCite [statutes](#).

Our structure

Just as research is global, DataCite is global, with member institutions offering services and advice directly where they are needed by the researchers.

We consist of a Managing Agent, currently the [German National Library of Science and Technology](#), with [Members and Associate Members](#) around the world. DataCite is represented by its [Board Members](#).

Why cite
data?

What is
DataCite?

What do
we do?

Metadata Search

Search

Members

Community



DataCite is a member organization providing **DOI registration services** and **research infrastructure** for the research community. As a community-led organization, it's critical that the libraries, research institutions, and data centers that house repositories have a voice in DataCite decisions and receive the optimal services and support. In this way, partnerships with organizations such as CRKN are critical to our mission and serving the global community.



DOI registration



DataCite's core activity is providing tools for DOI and metadata registration. DOIs are registered for content that is hosted in repositories (or in some cases journals or other containers for hosting content). Thus there is an important and natural relationship between the content (whether it is a dataset, text document, sample, etc.) and the repository.



DataCite Services



.....PIDs (and the associated metadata) are an essential component for the implementation of the FAIR principles



Findable. Standardized metadata connected with PIDs make research data findable.



Accessible. Resolvable worldwide with every internet browser. URL associated with the DOI can be updated, DOI remains unchanged.



Interoperable. Standard vocabularies and links to other PIDs e.g. software DOIs, instrument DOIs, ORCIDs in the metadata record of a PID.

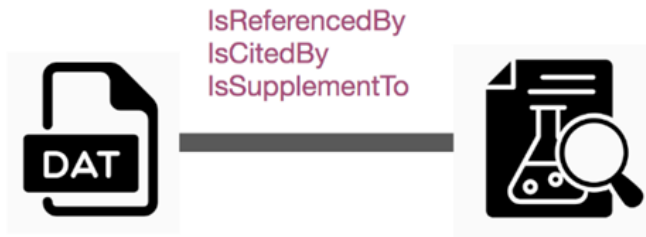


Reusable. Cite your research sources with confidence, and receive proper credit when your work is reused. Rich and up-to-date metadata generates trust. Linking to other PIDs.

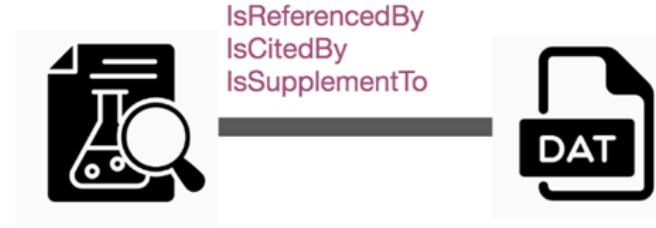
PID Relations



Citations



References



Relations

IsContinuedBy
Continues
IsDescribedBy
Describes
HasMetadata
IsMetadataFor
HasVersion IsVersionOf
IsNewVersionOf
IsPreviousVersionOf
IsPartOf
HasPart
IsDocumentedBy
Documents
IsCompiledBy
Compiles
IsVariantFormOf
IsOriginalFormOf
IsIdenticalTo
IsReviewedBy Reviews
IsDerivedFrom
IsSourceOf
IsRequiredBy Requires
IsObsoletedBy
Obsoletes

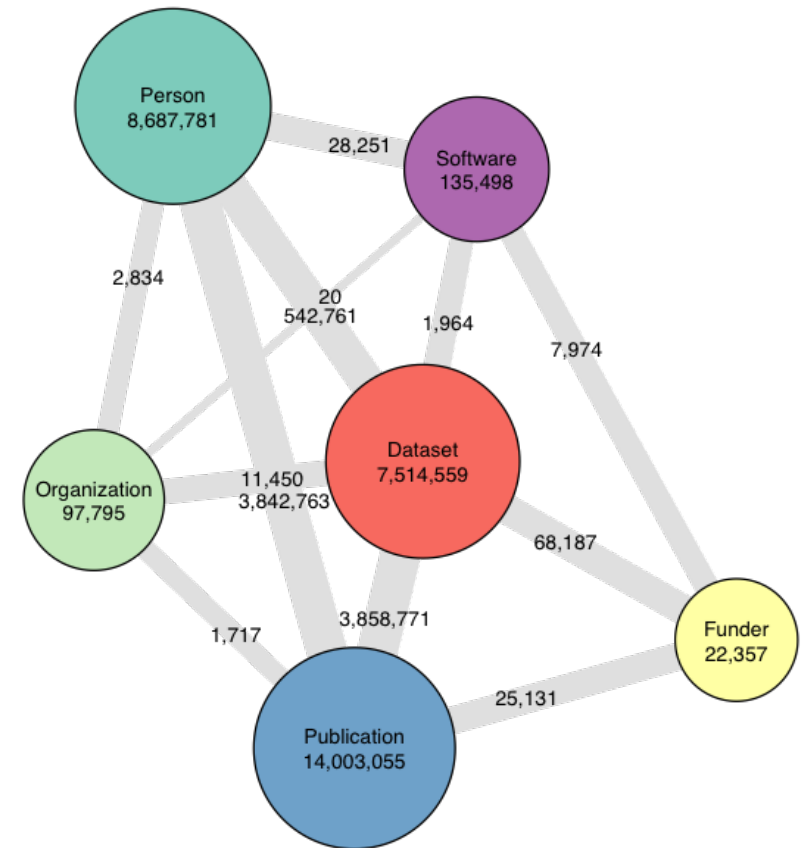
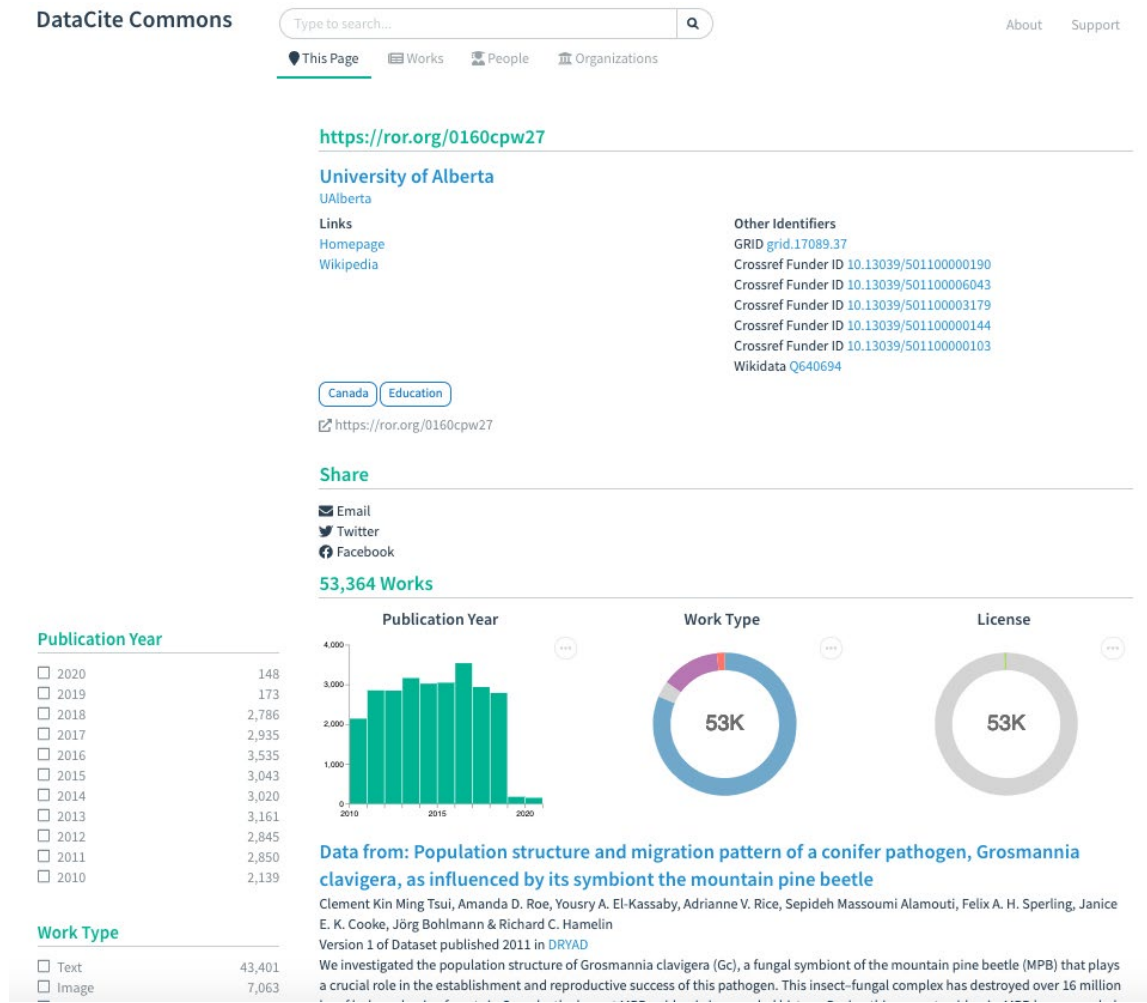
People, places and things



The DataCite metadata schema supports linking people, places and things using identifiers. The API that powers the PID Graph, the graph formed by scholarly resources described by persistent identifiers (PIDs) and the connections between the FAIR Digital Objects (FDOs). The technology is powered by GraphQL, a widely adopted Open Source technology that enables queries of this graph, addressing use cases of our community in ways that were not possible before.



DataCite Commons: leveraging the PID Graph



Communities of Practice



DataCite consortia are important to the long term sustainability of our community and foster collaboration across organizations.

Communities of Practice must have three features in common: **a domain, a community, and practice**. The domain is what a group is interested in learning more about or trying to resolve; the community is how this group will interact and share resources related to the domain. With these two features in common, a “Community of Interest” is born. When the members are also practitioners and use their expertise in the community, and in service of the domain, there is a Community of Practice.

DataCite Community of Practice



Our Domain

- Connecting research, identifying knowledge.

Our Community

- Global research community

Our Practice

- Persistent identifiers (DOIs) for research data and other research outputs.
- Connect DOIs and related metadata with the broader research ecosystem.
- Create, find, cite, connect, and use research



Building communities together!

matt.buys@datacite.org
[@datacite](https://twitter.com/datacite)
datacite.org





Center *for* Research Libraries
.....
GLOBAL RESOURCES NETWORK

Greg Eow, President
geow@crl.edu
October 29, 2020

Center for Research Libraries & CRKN: Leveraging the Partnership



Topics today

- Why partner? (shared mission, complementary operations)
- Progress to date (conference programming, committee engagement)
- Partnering: thinking about specifics (digitization, licensing, shared print)



Why partner: shared mission, complementary operations

CRL is:

- A cooperative collecting enterprise of over 200 Canadian and US libraries
- A major research collection (5 million analog items and 50 million pages of digital content, ~5M pages of content added annual)
- A place (130K sq foot research facility in South Chicago)
- A critical piece of academy-owned, academy-governed infrastructure for the knowledge commons (.edu)



Why This Matters: Shared Opportunity

How shall we foreground values of diversity, inclusivity, and equity not only in our collections and services, but in how and when we collaborate?

How does Open Access and the push to create an open knowledge ecosystem change our approach to collective collecting?

How to we responsibly steward analog collections in a digital ecosystem?



Progress since last year

**CRL Leadership
Transition
August 2019**





Partnering: thinking about specifics

- A mass digitization quick win (using CRL's relationship with LLMC)
- Partnering on shared print strategies (align digital and analog; Canada and U.S.)
- Licensing and negotiations collaboration (shared intelligence, eDesiderata)



Center *for* Research Libraries
.....
GLOBAL RESOURCES NETWORK

Greg Eow, President
geow@crl.edu
October 29, 2020

Thank you



OCTOBER 29, 2020

CARL Collaborations with CRKN: 2020 Update

Susan Haigh, Executive Director, CARL

Advancing Transparency

CARL libraries' expenditure data for scholarly resource subscriptions licensed by CRKN are made available in the Federated Research Data Repository (FRDR):

- Available: 2016-17; 2017-18; 2018-19
- Imminent: 2019-20
- Considering releasing: 2014-15; 2015-16

Advancing Open Infrastructure



- Infrastructures endorsed to date:
 - Pilot round: DOAJ, SHERPA/RoMEO
 - Round 2: OAPEN, DOAB, OpenCitations, PKP
- \$19.8M (CAD) pledged worldwide to date
 - Canada has pledged \$694K
- Round 3: to be announced in early 2021

Advancing Persistent Identifiers (PIDs)

- CRKN and CARL Portage co-manage the DataCite Canada Consortium
 - NDRIO funding via CARL Portage has amounted to \$50K this year
- Portage has also directly supported ORCID-CA - \$25K this year
- Proposed continuation of NDRIO support to PIDs uptake and integrations

Advancing Open Science

CARL and CRKN strive for a single voice and coordinated activities in OA areas where action is still needed:

- Tracking and showcasing Canadian open access content
- Tracking total (funder + university) spending on APCs
- Developing sustainable funding models for Canadian journals and monographs
- Raising awareness of the need for changes to improve research evaluation measures.



THANK YOU!

susan.haigh@carl-abrc.ca



Collective Action and Community: Partnership for Open Access

October 29, 2020

Tanja Niemann

Executive Director
Érudit

James MacGregor


Managing Director (Interim)
Public Knowledge Project





partnership (noun)

a relationship usually involving close cooperation between parties having joint interests and responsibilities



Coalition Publica

- Partnership between Érudit and PKP
- Partnership for Open Access with CRKN provides financial support to journals
- Operations funded by CFI and SSHRC
- Community input through advisory committees

Support for Canadian SSH Journals

Financing Journals

Partnership for Open Access -
CRKN

Collective action for OA

Supports editorial activities of
160 journals

+50 more journals

Infrastructure

Open infrastructure - CFI

OJS + erudit.org

Community governance

Strategic planning

Services

Visibility of Cdn SSH research -
SSHRC

Expanding services for
journals and researchers

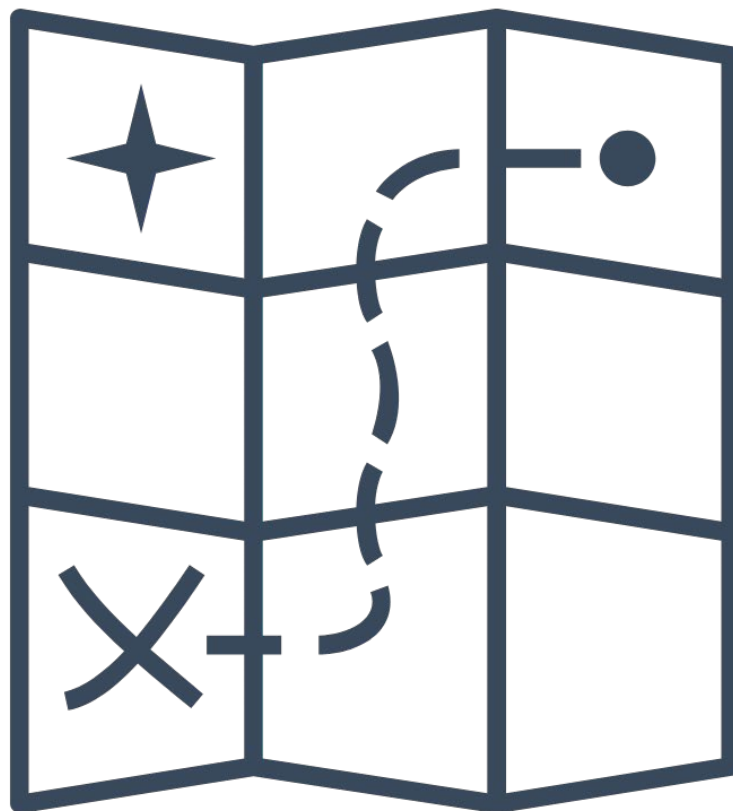
Focus on adoption of open
access standards

[



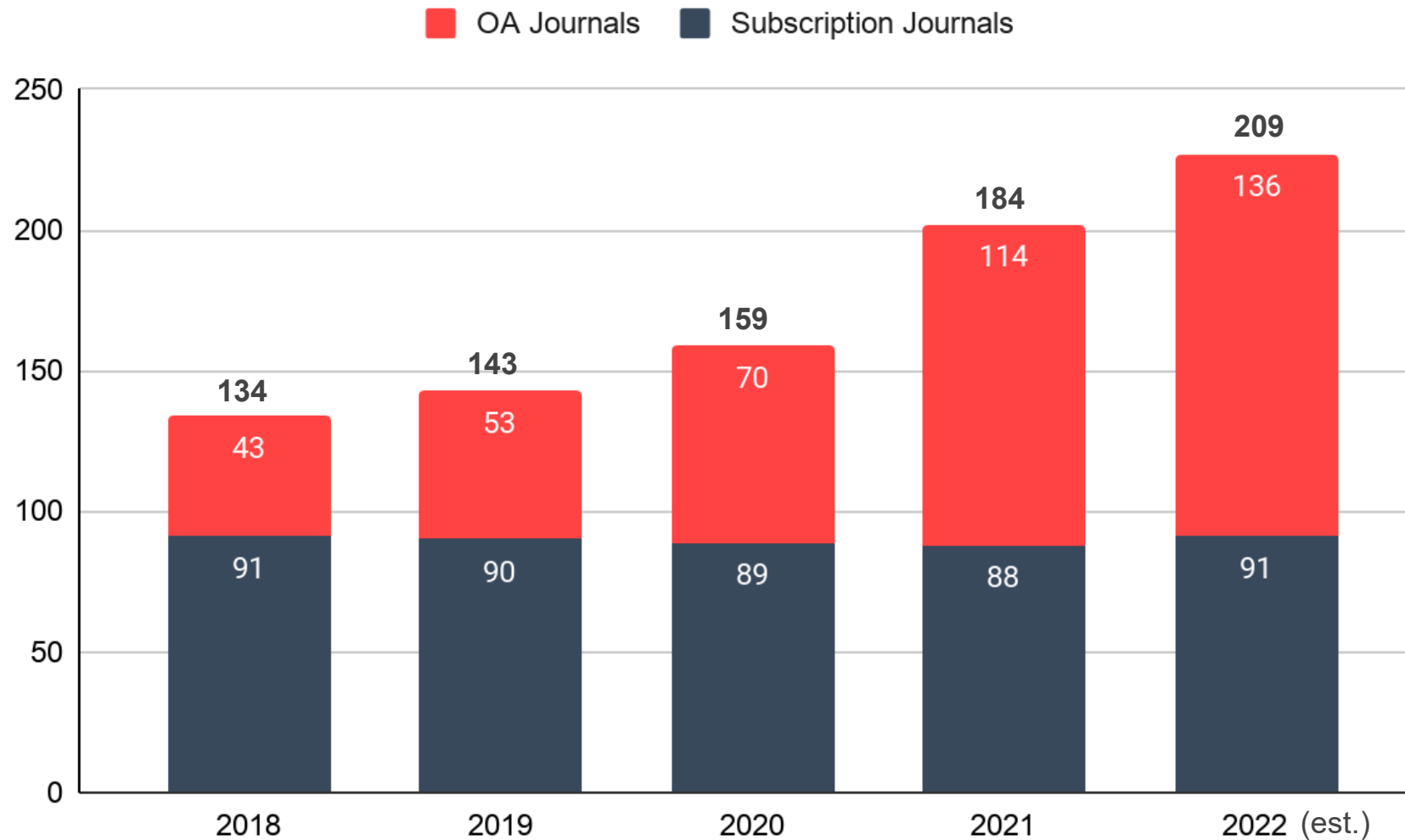
]

[



]

Journal collection growing & becoming more open



Facing challenges together

- **Sustainability** - collective action to support open access & open infrastructure
- **Governance and transparency** - consulting community on services, technical development, & research priorities
- **Interoperability** - aligning systems to optimize discovery, impact and preservation
- **Research** - furthering research & supporting open science

collective action
needs community

Thank you!

Merci !



Tanja Niemann

Executive Director

Érudit

tanja.niemann@erudit.org

James MacGregor

Managing Director (Interim)

Public Knowledge Project

james_macgregor@sfu.ca



ORCID CRKN 2020 Virtual Annual Conference



Connecting Research
and Researchers

CHRIS SHILLUM
Executive Director
[orcid.org / 0000-0002-1108-3660](https://orcid.org/0000-0002-1108-3660)

[ORCID.org](https://orcid.org)

ORCID'S VISION IS A WORLD WHERE ALL WHO PARTICIPATE IN
RESEARCH, SCHOLARSHIP, AND INNOVATION ARE UNIQUELY IDENTIFIED AND
CONNECTED TO THEIR CONTRIBUTIONS AND AFFILIATIONS ACROSS TIME,
DISCIPLINES, AND BORDERS.

CRKN and ORCID

- The CRKN ORCID Consortium was formed in March 2017 with 27 members
- Aims of the consortium approach:
 - Premium member benefits at substantially lower per institution cost
 - Adopting an international identity system for Canadian researchers
- Cultivating a Community of Practice around ORCID will maximise the benefits of ORCID in Canada via broad adoption and the development of common systems and business processes

ORCID adoption in Canada to date:

	Members	Integrations	Connected iDs to member	Records updated	Records affiliated to Canada	Records associated with (.ca)
2017	27	0	0	0	23,750	53,000
2020	38	18	2,505	126	32,051	126,106

Four areas of focus for ORCID



Trust and Integrity

- Maintain the trust and support of all stakeholder groups

Value

- Understand the value perception and unmet needs of each stakeholder group

Sustainability

- Continue to adopt models which allow ORCID to scale efficiently, such as national consortia
- Use member funds responsibly through financial discipline and efficient operations

Innovation

- Position ORCID as an infrastructure service which catalyzes and enables innovation across all stakeholder groups

CRKN and ORCID in Partnership

Current status

- CRKN is doing a great job as Consortium Lead, driving the Community of Practice
- Great participation from:
 - Canadian research universities & institutes
 - Federal government agencies and departments like the Bank of Canada
 - The Canadian publishing industry
- Good collaboration with Canadian Service Providers like PKP with the OJS platform, SmartSimple and the Portage Network

Further opportunities

- Aiming to work with the CCV team on an ORCID integration soon, we appreciate the support from Canadian researchers!
- Hoping to work with all Canadian funding agencies at both the national and provincial levels, to use ORCID in their application and award workflows

My Personal Priority



- Listen to you
- Listen to researchers

Please reach out:

c.shillum@orcid.org

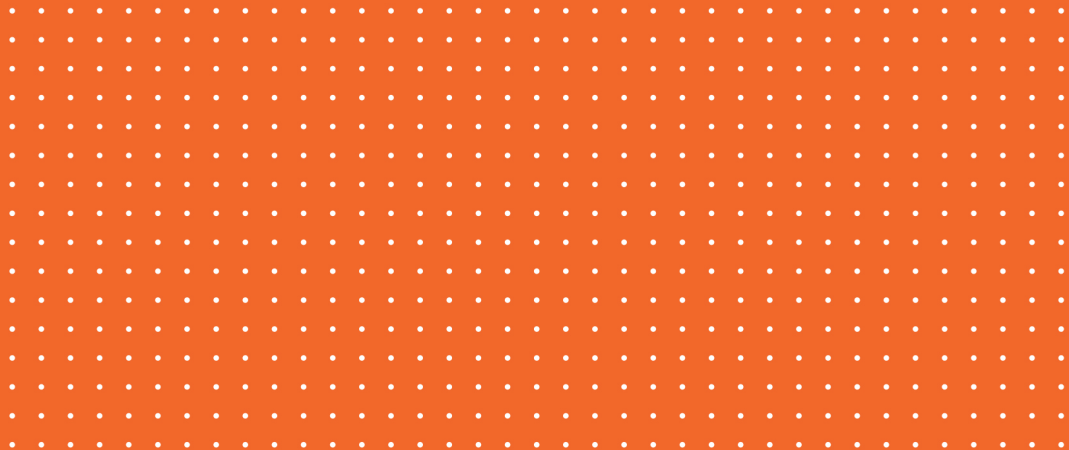
 @cshillum

CURTIN OPEN KNOWLEDGE INITIATIVE

COLLECTIVE ACTION FOR INFORMATION



WHAT HAVE WE LEARNED IN 2020?

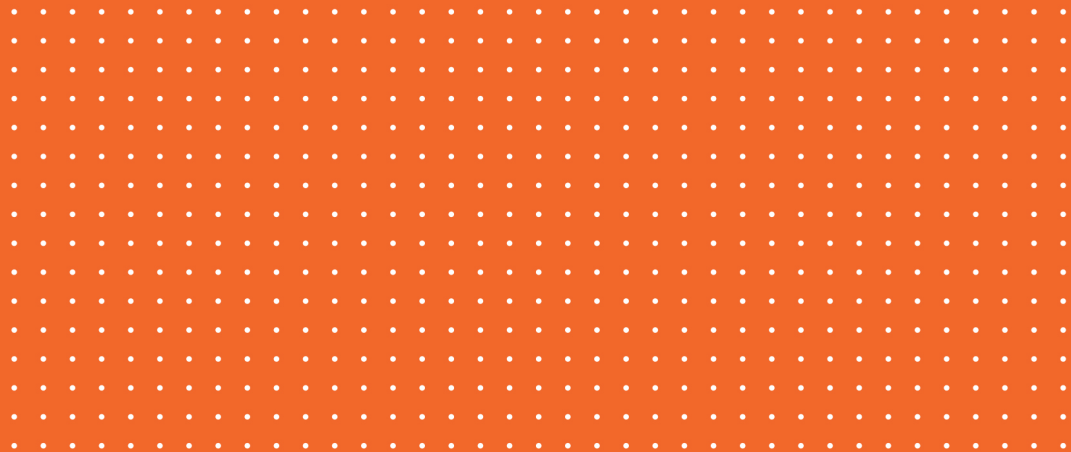


We need to work
together to solve our
problems...

Hard decisions require trusted information...

Collective decisions require community data...

CURTIN OPEN KNOWLEDGE INITIATIVE

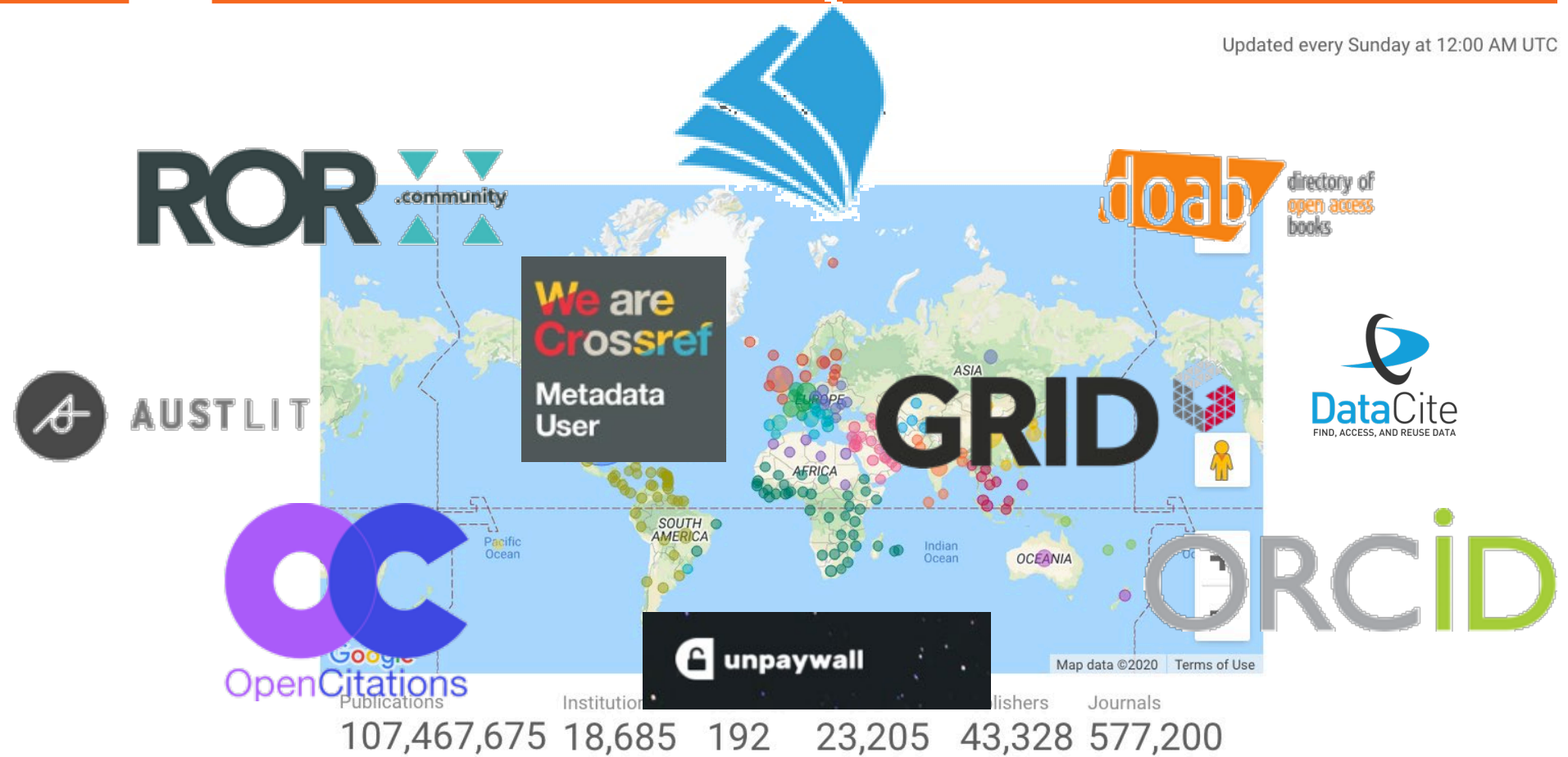




“Our goal is to **change the stories that universities tell about themselves**, placing open knowledge at the heart of that narrative.”

DATA

Updated every Sunday at 12:00 AM UTC




Explore Different Views of the Data

[Institution View](#) | [Country View](#) | [Funder View](#) | [Publisher View](#) | [Group View](#)

INFORMATION



	Publisher	Count	is OA	% OA	% Gold	% Green
1.	Elsevier BV	20,718	6,377	30.78%	15.25%	17.64%
2.	Springer Science and Busines...	11,149	6,084	54.57%	37.47%	48.06%
3.	Wiley	8,351	3,857	46.19%	13.52%	26.25%
4.	Informa UK Limited	5,212	1,226	23.52%	7.87%	15.79%
5.	Oxford University Press (OUP)	4,464	3,574	80.06%	32.97%	62.34%
6.	IEEE	4,295	410	9.55%	0%	9.5%
7.	Springer International Publishi...	3,851	319	8.28%	1.35%	6.8%
8.	SAGE Publications	3,207	1,280	39.91%	15.78%	27.56%
9.	Institute of Electrical and Elect...	2,455	643	26.19%	11.49%	17.6%
10.	Ovid Technologies (Wolters Kl...	2,101	626	29.8%	8.47%	24.7%
11.	American Chemical Society (A...	1,773	410	23.12%	6.71%	20.02%
12.	Frontiers Media SA	1,293	1,292	99.92%	99.92%	99.85%

ANALYSIS




ABOUT COMMUNITY [SUBMIT MY RESEARCH](#) [LOG IN/REGISTER](#)

HOME MAGAZINE INNOVATION



Home About Contact Content Research Integrity



LIBER QUARTERLY

The Journal of the Association of European Research Libraries

[f](#) [t](#) [e](#) [in](#)

Reading: 'Is the library open?': Correlating unaffiliated access to academic libraries with open access support

Share: [f](#) [t](#) [g+](#) [in](#)


Special Collection: [Selected papers from LIBER's 48th Annual Conference 2019 \(Dublin, Ireland\)](#)


Articles


'Is the library open?': Correlating unaffiliated access to academic libraries with open access support

Authors: [Katie Wilson](#), [Cameron Neylon](#), [Chloe Brookes-Kenworthy](#), [Richard Hosking](#), [Chun-Kai \(Karl\) Huang](#), [Lucy Montgomery](#), [Alkim Ozaygen](#)

Abstract

Chun-Kai (Karl) Huang , Cameron Neylon, Richard Hosking, Lucy Montgomery, K. Centre for Culture and Technology, School of Media, Creative Arts and Social Inquiry, Curtin University, Australia



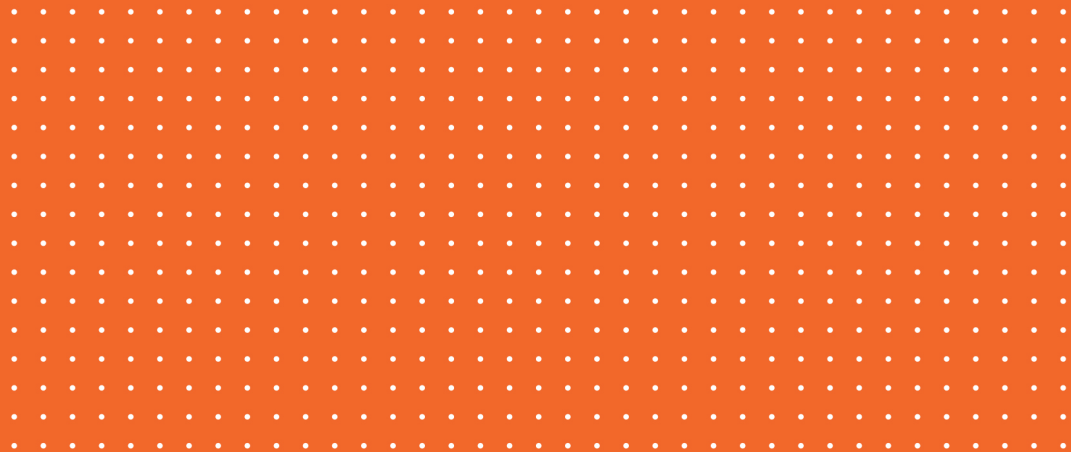


Curtin University

We are not planning on
solving this on our own...

WHAT CAN WE DO TOGETHER?

TO TRAVEL FAR, GO TOGETHER



WHAT CAN WE DO TOGETHER?

What are the information needs to successfully make the case for open in your organization?

How do we build and sustain a shared information resource and system that supports those needs?

What are the next steps for developing community and partnerships for an open future?

COKI CONTRIBUTORS

Centre for Culture and Technology

Lucy Montgomery

Cameron Neylon

Katie Wilson

Chun-Kai (Karl) Huang

Chloe Brookes-Kenworthy

Tim Winkler

Funding from

Research Office at Curtin

Faculty of Humanities

School of Media, Creative Arts & Social Inquiry

Andrew W. Mellon Foundation

Arcadia

Curtin Institute for Computation

Richard Hosking

Rebecca Handcock

Aniek Roelofs

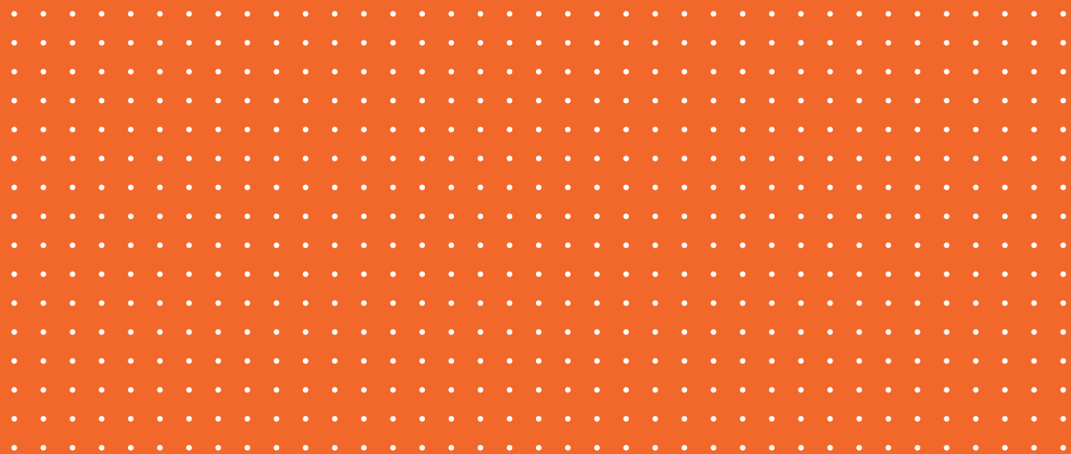
Jamie Diprose

Tuan Chien

Educopia Foundation

Katherine Skinner

Jessica Meyerson



COKI CURTIN OPEN
KNOWLEDGE
INITIATIVE

Thank You / Merci



Discussion