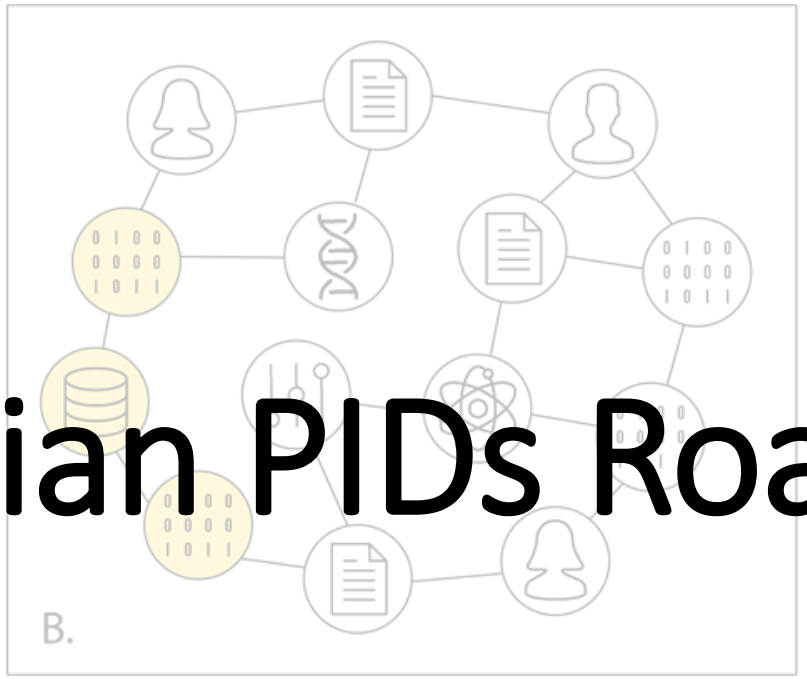
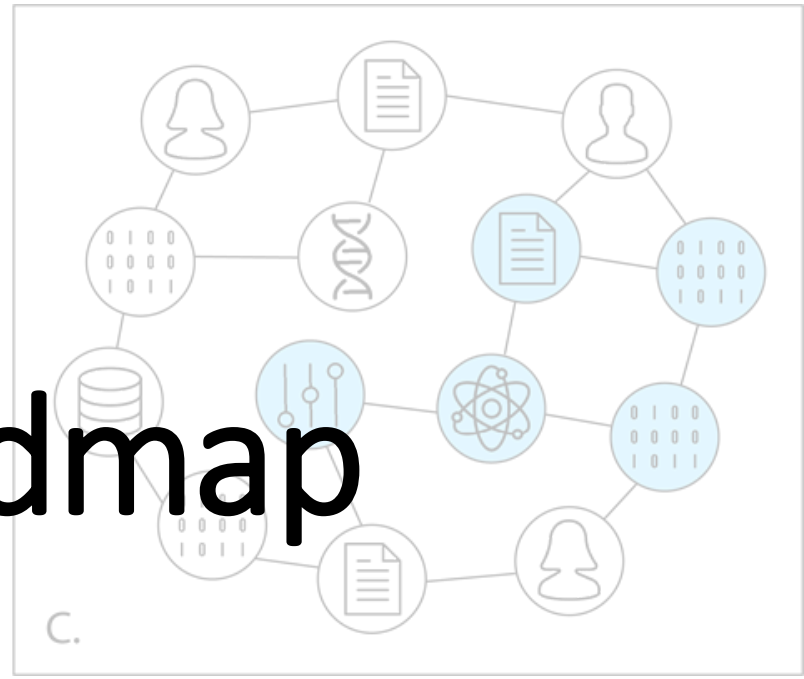
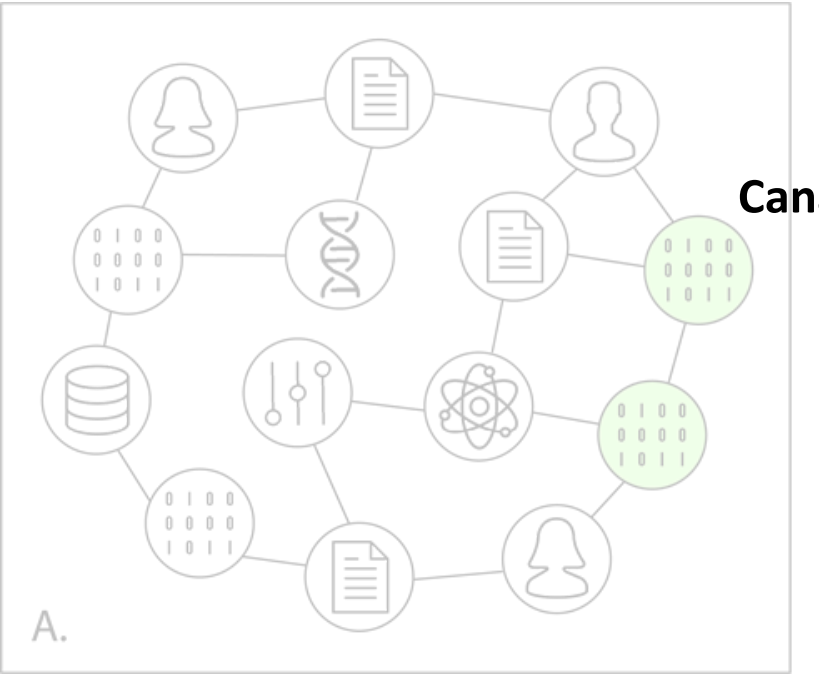
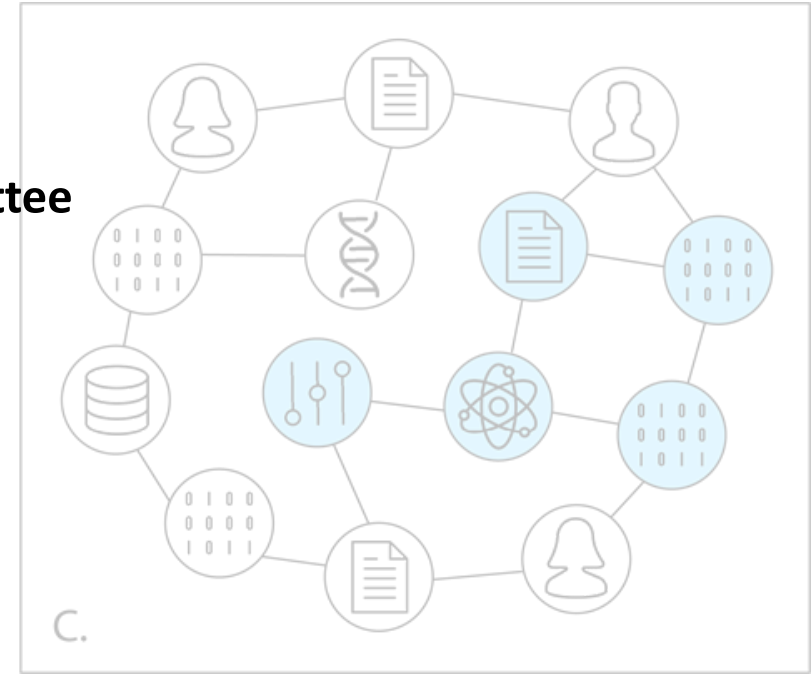




Canadian PIDs Roadmap

Lisa Goddard
Canadian Persistent Identifiers Advisory Committee
AUL Advanced Research Services
University of Victoria
May 2021





The International PIDs Ecosystem

Global Identifiers

APIs

Global Interoperability

PID Providers
Standards Orgs
Publishers

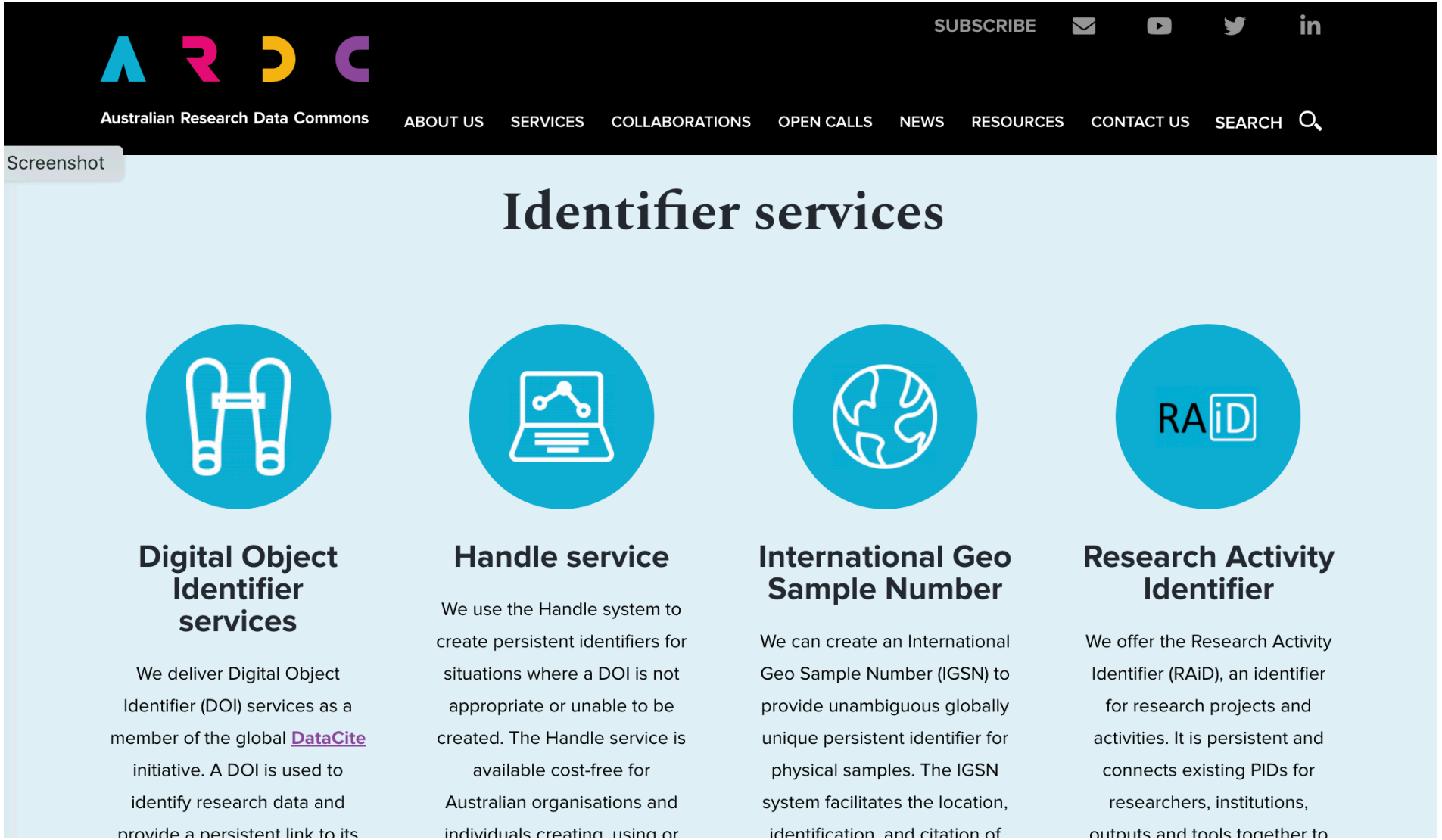
Policy Makers
Funders
Research Orgs
Platform Providers

Funding

Governance

Data

Australian Research Data Commons



UK - JISC PIDs Roadmap

Developing a persistent identifier roadmap for open access to UK research

Introduction

"Using PIDs offers thus a number of great advantages such as clear and stable identities allowing humans and machines to exactly refer to the right data even after many years, to have easy ways to prove identity, integrity, and authenticity, to provide stable references also as basis for citations, to easily find descriptive metadata, and information needed for authorization, for reuse tracing information, on versioning, etc. We realize, however, that we are increasingly dependent on a stable PID system..."

Peter Wittenburg[2]

Portugal: National Research Management Ecosystem

European Open Science Cloud

EOSCFAIR Executive Board Working Group

EOSCArchitecture Executive Board Working Group

Second draft Persistent Identifier (PID) policy for the European Open Science Cloud (EOSC)

DOI for version 2: https://doi.org/10.5281/zenodo.3780423

This policy was authored by representatives of the EOSC FAIR Working Group and EOSC Architecture Working group. See Appendix 3 for details. This is version 2 of the policy and released in May 2020 for community feedback and comment.

We welcome further responses to and comments on this version. Please share them with the wider community on https://pidforum.org or email them to us pid-policy@eoscsecretariat.eu. We understand that some areas may require discussion and encourage you to have that discussion on https://pidforum.org. That is where we will also provide details of opportunities for face-to-face feedback and discussion.

We will develop a final version that will be delivered to the EOSC Governance Board in October 2020.

Japan Link Centre

Japan Link Center – Strategy 2017-2022

Connecting Japan

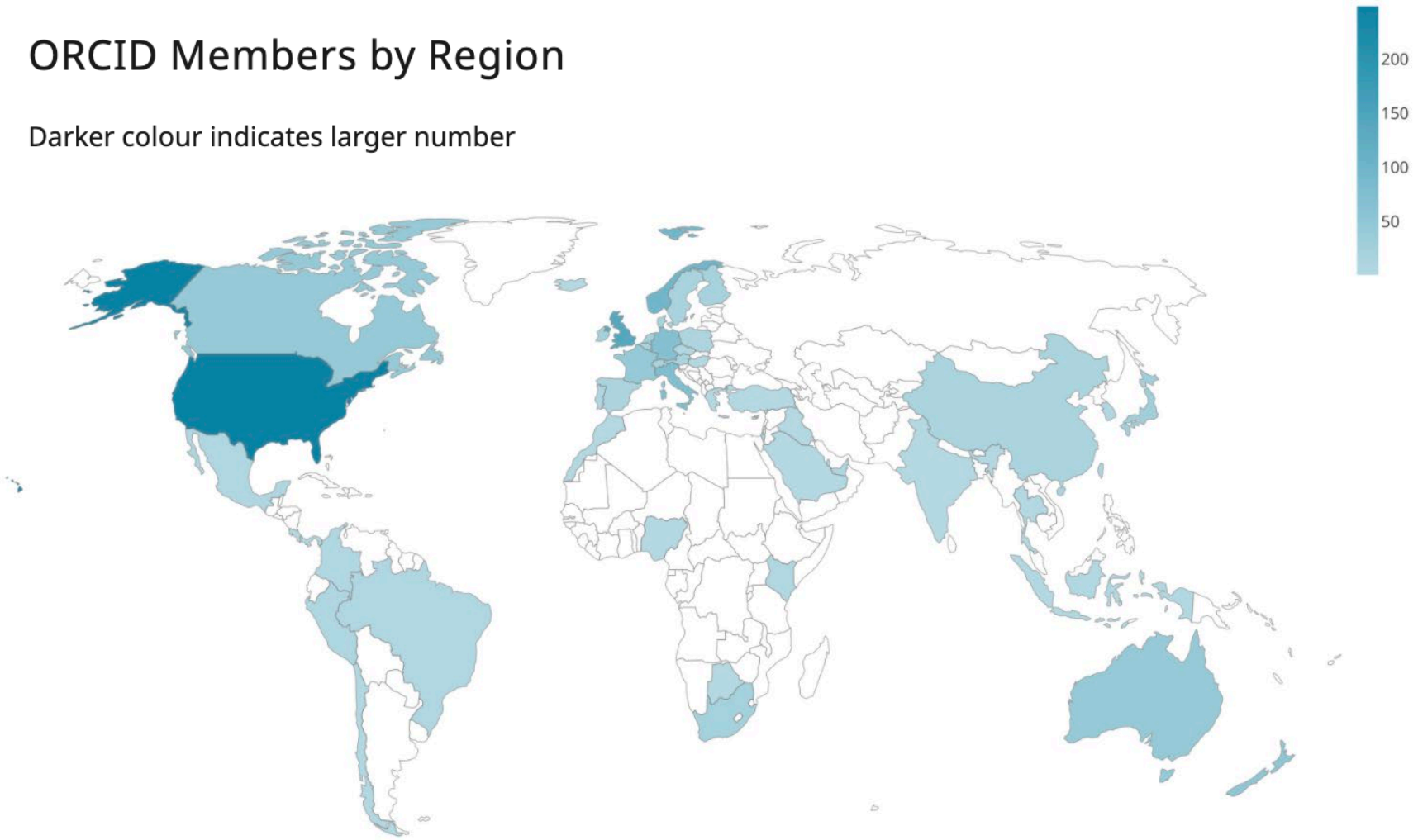
～Lasting Access～

Providing open, sustainable access to academic information together with researchers, research institutes, librarians, libraries, publishers, educators, educational bodies, IT engineers, information service providers, research funding agencies, academic groups and others.

Japan Link Center 5 Strategies

- **Promote open use of DOI and metadata.**
- **Develop an environment for registering DOI which while retaining international**

PIDs and Global Equity



Elements of a National Roadmap

- Commitment from key partners/stakeholders
- PIDs steering group
- Consensus around Identifiers to be promoted and supported
- Funding strategies for PID memberships
- Local outreach and training
- Identify some strategic, high-impact integrations
- Participate in PID provider governance
- Evaluate and articulate impact

Commitment from Key Partners/Stakeholders

Policy & Funding:

ISED
Tri-Agencies
NDRIO
CANARIE

Research Orgs:

Universities
Research Hospitals
Research Institutes
Centres of Excellence

Platform Providers:

Data Repositories
Institutional Repositories
Publishers

Joint Statement of Principle: Adoption and use of ORCID identifiers in New Zealand

PIDs Steering Group - CPIDAC

The Canadian Persistent Identifiers Advisory Committee (CPIDAC) will act in the interests of the Canadian scholarly community to provide expertise and advice to the DataCite Canada Consortium Governing Committee and the ORCID-CA Governing Committee on leveraging maximum benefits through national adoption and use of those persistent identifiers (PIDs). The CPIDAC will consider other opportunities to foster adoption of appropriate identifiers within the Canadian research ecosystem. This will include, but not be limited to:

- Advising the two existing consortia and government research and infrastructure funding bodies on international trends and emergent best practices in the use of PIDs;
- Developing and championing a national implementation strategy for PIDs in Canada;
- Providing advice to key stakeholders on national opportunities to leverage the benefits of DataCite Canada Consortium and ORCID-CA membership.

PIDs Steering Group - CPIDAC

Policy & Funding:

NSERC, SSHRC, CIHR

FRQ

Compute Canada

CANARIE

Research Data Canada

Office of the Chief
Science Advisor of Canada

Research Orgs:

CARA

CUCCIO

CARL

OCUL

COPPUL

BCI

CAUL

Platform Providers:

CRKN

Scholar's Portal

Coalition Publica

CARL/Portage

Consensus around Identifiers to be promoted and supported

ORCID	Global consensus (others: Scopus ID, ResearcherID) 1162 members globally
doi Crossref DataCite	Global consensus (others: Handle, URN) Crossref: most journal publishers Datacite: most data repositories
ROR	Emerging standard (others: ISNI, Ringgold) Netherlands, UK, California Digital Library, Crossref, Datacite, Digital Science…
RAiD	Emerging standard Australia, Netherlands, UK…

Funding Strategies for PID Memberships

Crossref is currently sustainable and ORCID is on track to reach break-even during 2019. DataCite is however currently dependent on grant income for nearly 50% of its operating budget. RAiD and ROR do not have meaningful business models yet.

(UK PIDs Roadmap, 2020)

Funding Strategies for PID Memberships

e.g. ORCID-CA: flat fee for consortium members

ORCID-CA currently has 38 institutional members:

Bank of Canada	Brock University
CIFAR	Concordia University
Kwantlen Polytechnic University	Lakehead University
McGill University	McMaster University
Mount Royal University	National Research Council
Portage Network	Queen's University
Simon Fraser University	University of Alberta
University of Calgary	University of Guelph
Université Laval	University of Manitoba
University of Ottawa	University of Prince Edward Island

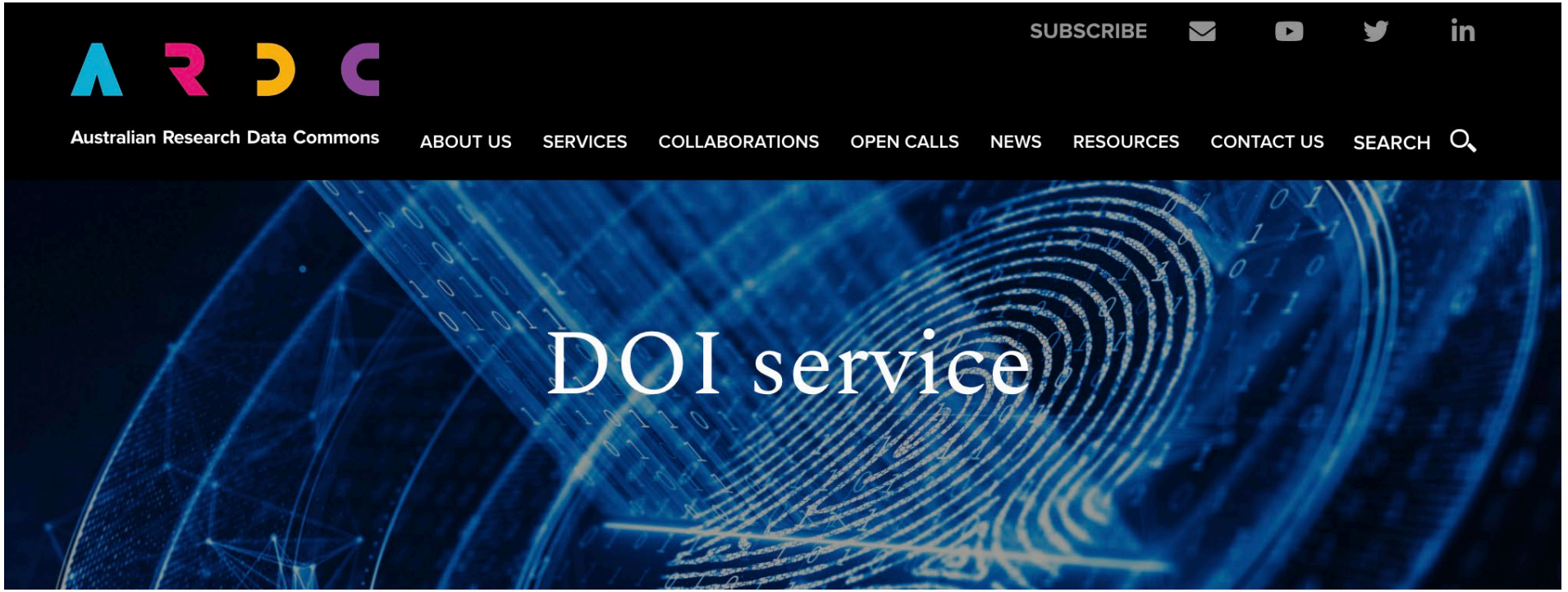
e.g. Datacite: Pay by use

Annual Fee for DOIs		
Range	**Break Point**	**Fee**
0-100	0	0.00 €
101-10,000	101	500.00 €
10,001-100,000	10,001	2,000.00 €
100,001 plus	100,001	3,000.00 €

Inclusion: developing models of inclusion that bring truly global voices into the PID community.

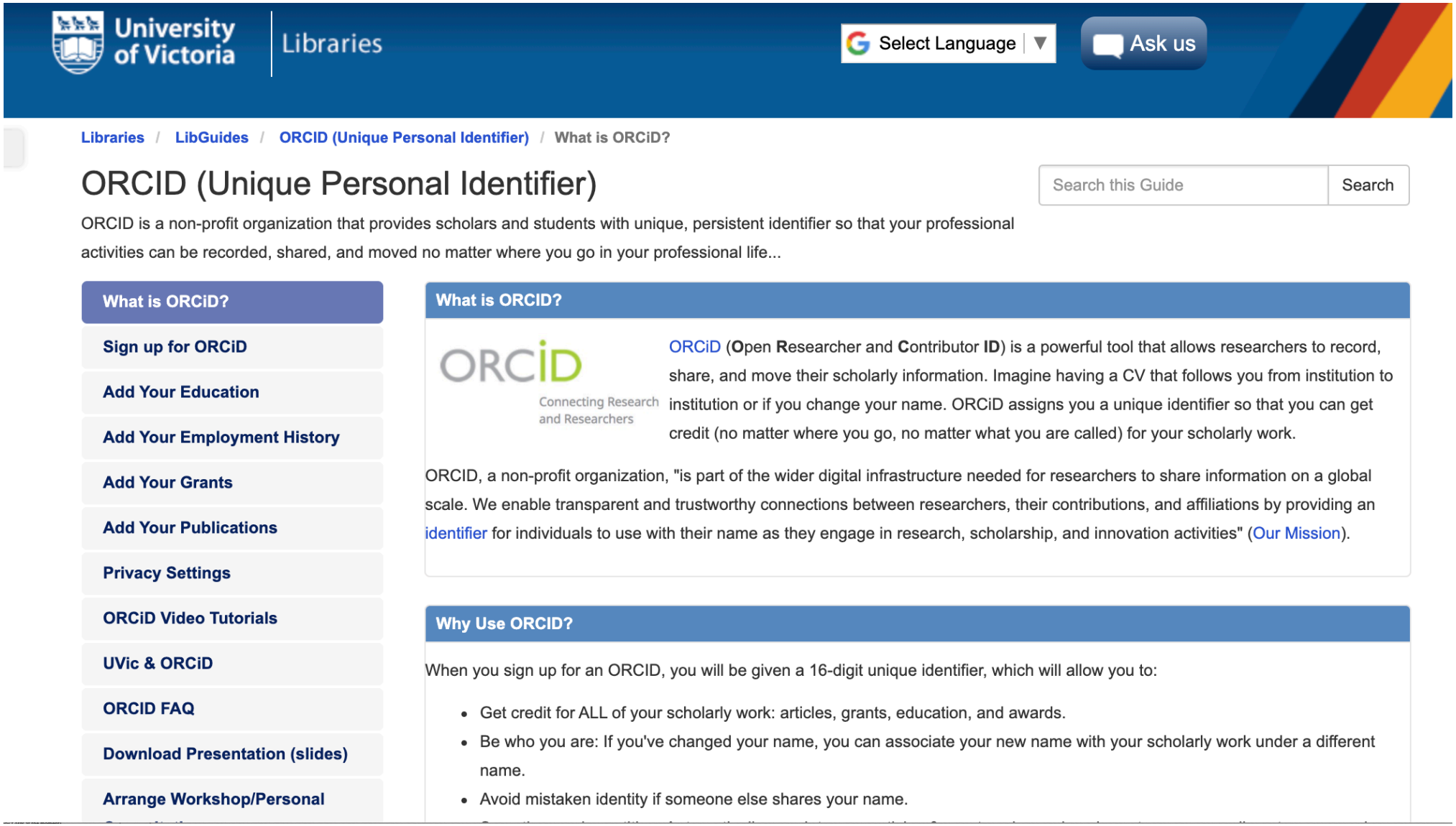
Funding Strategies for PID Memberships

Funding Strategies for PID Memberships

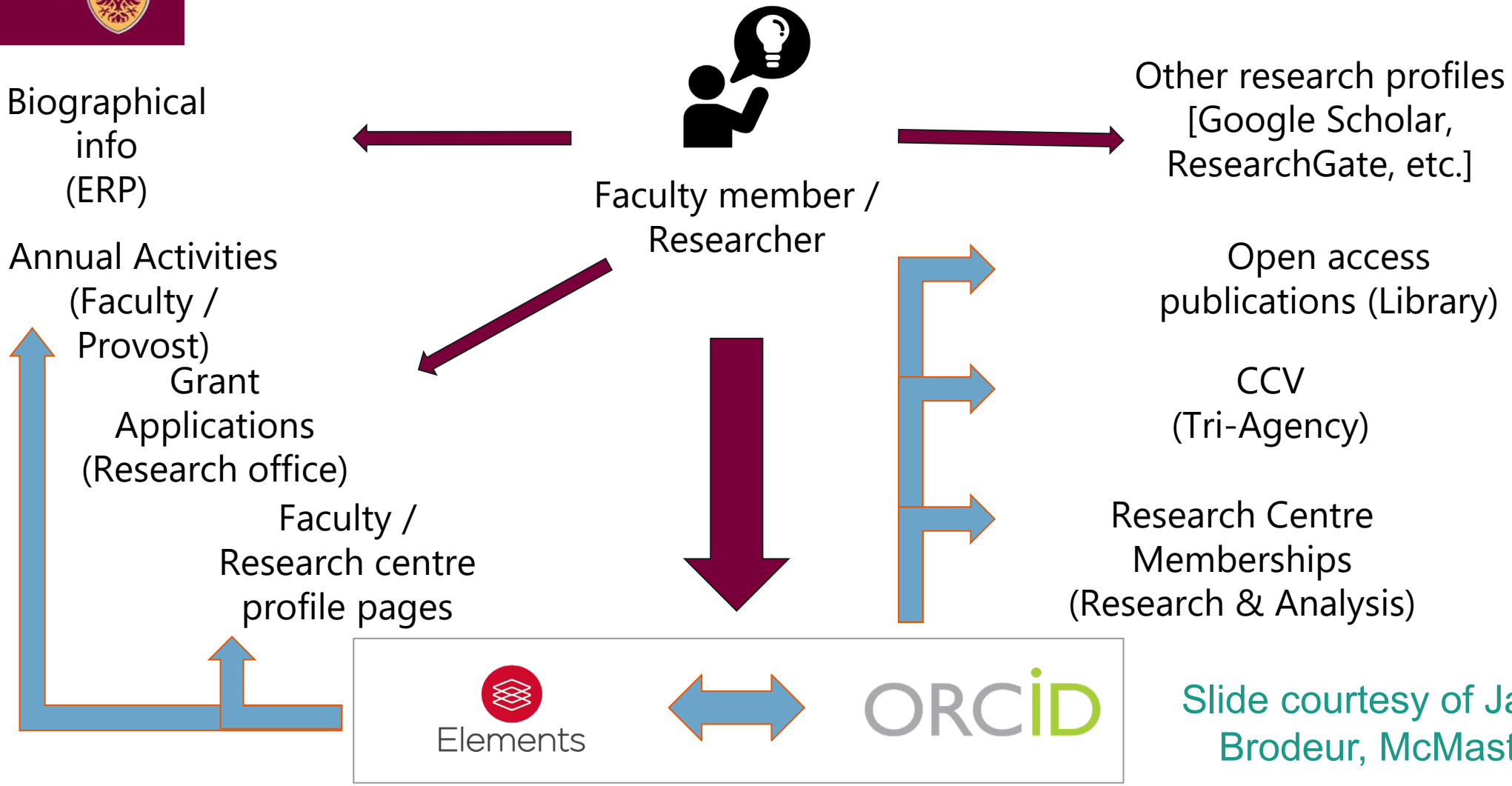


ARDC has funded DataCite membership and DOI minting for Australian research organisations as part of the national information infrastructure.

Local Outreach and Training



Local Outreach and Training



Slide courtesy of Jason Brodeur, McMaster

Image credit: Idea by Cristiano Zoucas from the Noun Project

Strategic, High-Impact Integrations

2020-10-06 14:46 EST

Common CV

- About us
- Partners
- News
- Contact us
- Help

News

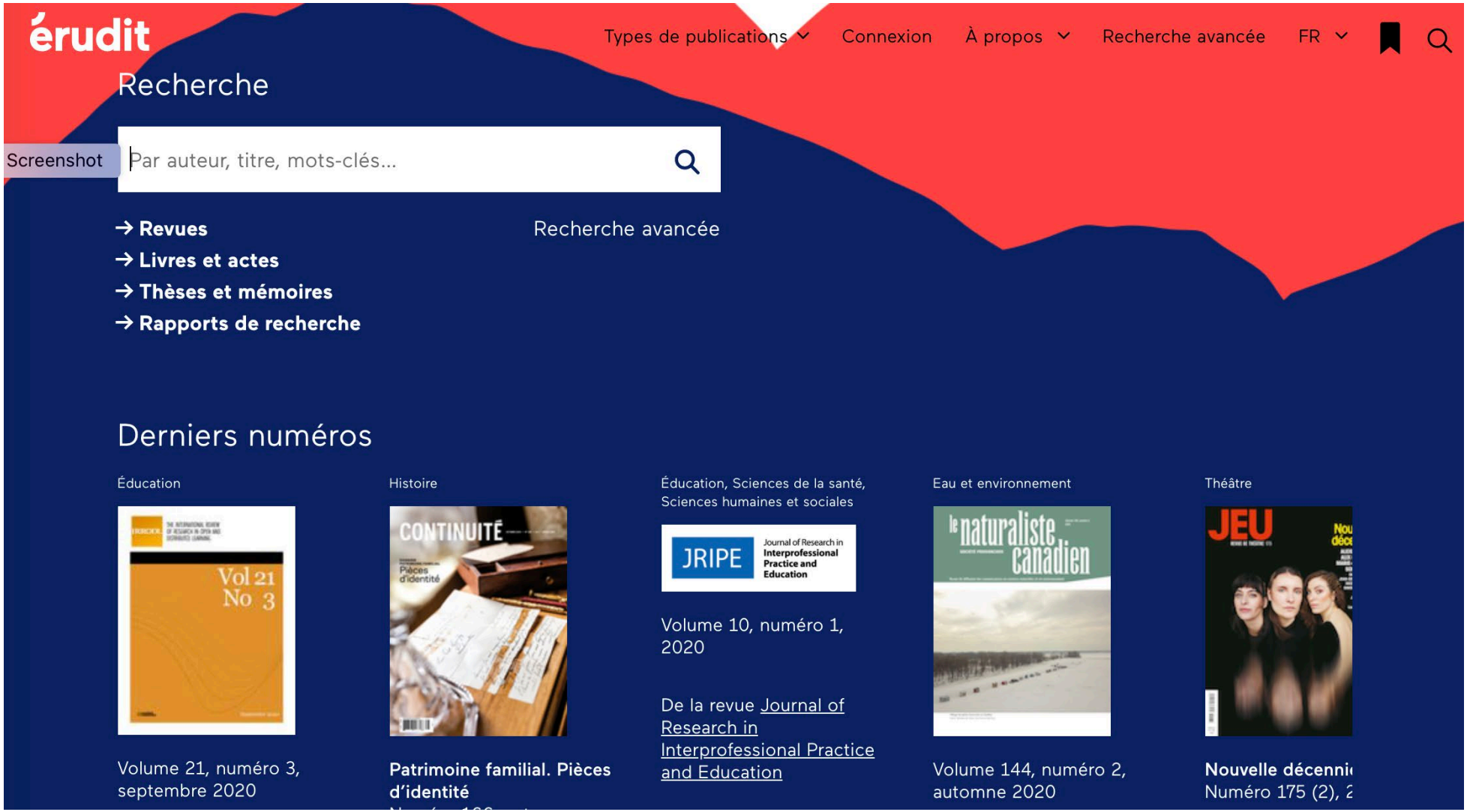
2020

- **February 28, 2020**

  Modernization of the CCV user interface

  As indicated by the Presidents of the three granting agencies in their response to the CCV open letter of December 2019, a project is under way to modernize the CCV user interface by improving and simplifying the overall navigation and functionality of the application. As noted, this will be a short-term project to immediately improve the user experience and alleviate some of the main pain points related to the CCV's usability. To start the project in the Fall of 2019, feedback was collected and validated with a group of stakeholders. This feedback, which was focused on the functionality of the CCV, shaped and refined the changes to the user interface.

Strategic, High-Impact Integrations



Participate in PID Provider Governance

- ORCID Board of Directors (Elected from members – Clare Appavoo, CRKN)
- Crossref Board and Committees (Mostly publishers, members vote)
- Datacite Executive Board (Elected from members - Rebecca Ross, CRKN)
- ROR Community Advisors (From many different types of orgs)
- RAID (mostly Australian gov’t orgs at the moment)

Evaluate, Articulate Impact

OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

Assessing the uptake of persistent identifiers by research infrastructure users

Matthew S. Mayernik, Keith E. Maull

Published: April 10, 2017 • https://doi.org/10.1371/journal.pone.0175418

6 Save | 4 Citation | 1,885 View | 5 Share

Abstract
Introduction
Background: From data citation to research infrastructure citation
Organizational context
Method
Results
Discussion

Abstract

Significant progress has been made in the past few years in the development of recommendations, policies, and procedures for creating and promoting citations to data sets, software, and other research infrastructures like computing facilities. Open questions remain, however, about the extent to which referencing practices of authors of scholarly publications are changing in ways desired by these initiatives. This paper uses four focused case studies to evaluate whether research infrastructures are being increasingly identified and referenced in the research literature via persistent citable identifiers. The findings of the case studies show that references to such resources are increasing, but that the patterns of these increases are variable. In addition, the study suggests that citation practices for data sets may change more slowly than citation practices for software and research facilities, due to the inertia of existing

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AUTHOR INTERVIEW: Global Effects of the

UK – Cost Benefit Analysis

Over five years of UK ORCID consortium:

- Created savings equivalent to 20 years of ORCID membership
- Auto-update (moving metadata around) has created time savings worth more than a million pounds

Persistence is a function of organizations, not of technology.

- International DOI Foundation

Thank You / Merci

Discussion