Webinar • November 30, 2022

Transforming Metadata

Increasing Access to Federally Funded Research

OCLC

Housekeeping…

WebEx

- If your computer audio is not working, please dial in by phone
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- To submit questions, use Chat and send to “Everyone”
  - Note: Your question will be visible to others attending this session

Housekeeping…

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Post-event

OCLC will make available:

- Recordings of each session
- Slides

Notifications:

- Registrants will receive an email via WebEx
- OCLC will post links to content in the OCLC Cataloging & Metadata community and on the event page on oclc.org

Richard J. Urban (MLIS, PhD)

Senior Program Officer
OCLC Research Library Partnership

Sara Gonzales (MS, MLIS)

Senior Data Librarian
Galter Health Sciences Library & Learning Center
Northwestern University
Feinberg School of Medicine

Anchalee (Joy) Panigabutra-Roberts

Head of Cataloging / Associate Professor
at the University of Tennessee Libraries, Knoxville, Tennessee

and an Americas Regional Council delegate to the OCLC Global Council (2022-2025)

Charles Watkinson

Associate University Librarian for Publishing and Director of University of Michigan Press at University of Michigan

President, Association of University Presses

Rebecca Welzenbach

Research Impact and Information Science Librarian
at the University of Michigan Libraries

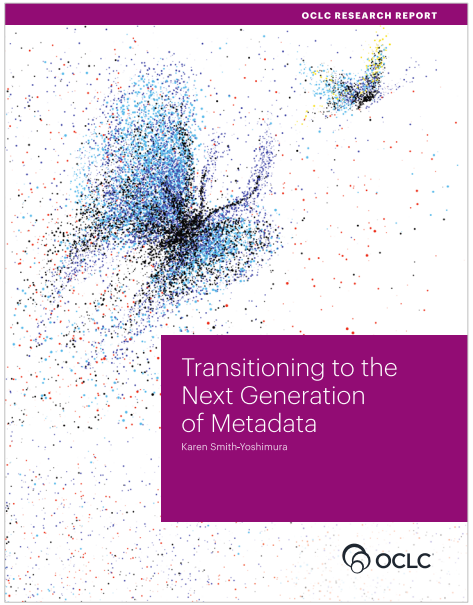
Transitioning to the Next Generation of Metadata

The transition to **linked data and identifiers**

Describing **“inside-out”** and **“facilitated”** collections

Evolution of **“metadata as a service”**

With effects on future **staffing requirements**



“Next Generation Metadata”

- Marked by multiple, ongoing technological and social currents that influence the work of libraries, their users, and the systems they develop

- Reflects systems of knowledge organization that are iterative and evolving, influenced by culture and positionality, and ultimately socially negotiated over time

- Describes collections that reflect priorities (and omissions) that are/have been socially negotiated (or imposed) over time

Continuing Work

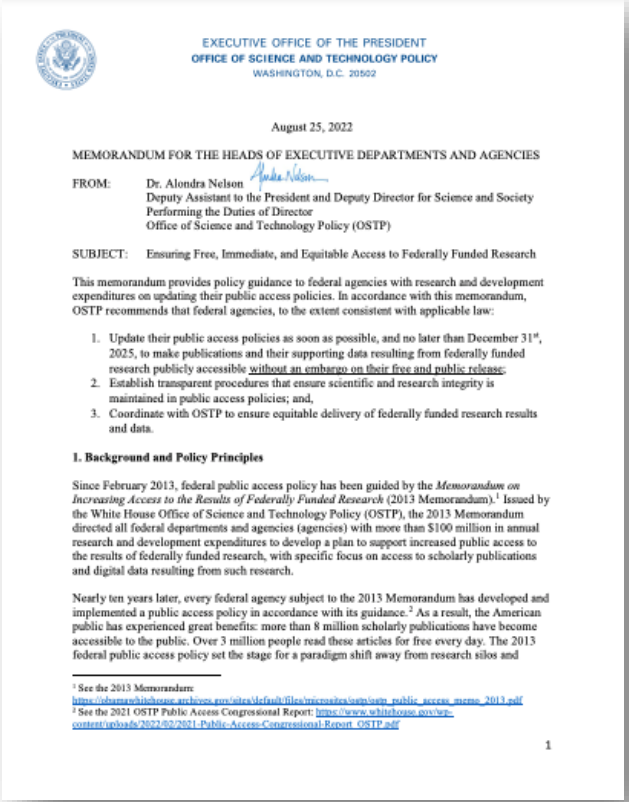
Increasing Access to Funded Research

"Today an ever-increasing number of funders, research organizations, and regional bodies are requiring public access to scholarly or scientific research, including publications and/or data....The failure to comply with an open access mandate potentially risks economic losses for the investigator and the institution."

Bryant, Rebecca and Jan Fransen. "Compliance monitoring in RIM systems: not a US thing? Think again." *Hanging* Together (blog). January 5, 2022. https://hangingtogether.org/compliance-monitoring-in-rim-systems-not-a-us-thing-think-again/

The Nelson Memo

- Collect and make appropriate metadata publicly available
- Federally funded researchers should obtain a DPI/PID
- Assign DPI/PIDs to all scientific research and development awards…that link the funding agency and their awardees through DPI/PIDs



EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

August 25, 2022

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Dr. Alondra Nelson
Deputy Assistant to the President and Deputy Director for Science and Society
Performing the Duties of Director
Office of Science and Technology Policy (OSTP)

SUBJECT: Ensuring Free, Immediate, and Equitable Access to Federally Funded Research

This memorandum provides policy guidance to federal agencies with research and development expenditures on updating their public access policies. In accordance with this memorandum, OSTP recommends that federal agencies, to the extent consistent with applicable law:

1. Update their public access policies as soon as possible, and no later than December 31st, 2025, to make publications and their supporting data resulting from federally funded research publicly accessible without an embargo on their free and public release;
2. Establish transparent procedures that ensure scientific and research integrity is maintained in public access policies; and,
3. Coordinate with OSTP to ensure equitable delivery of federally funded research results and data.

I. Background and Policy Principles

Since February 2013, federal public access policy has been guided by the *Memorandum on Increasing Access to the Results of Federally Funded Research* (2013 Memorandum).[1] Issued by the White House Office of Science and Technology Policy (OSTP), the 2013 Memorandum directed all federal departments and agencies (agencies) with more than $100 million in annual research and development expenditures to develop a plan to support increased public access to the results of federally funded research, with specific focus on access to scholarly publications and digital data resulting from such research.

Nearly ten years later, every federal agency subject to the 2013 Memorandum has developed and implemented a public access policy in accordance with its guidance.[2] As a result, the American public has experienced great benefits: more than 8 million scholarly publications have become accessible to the public. Over 3 million people read these articles for free every day. The 2013 federal public access policy set the stage for a paradigm shift away from research silos and

[1] See the 2013 Memorandum: https://obamawhitehouse.archives.gov/sites/default/files/microsites/ostp/ostp_public_access_memo_2013.pdf
[2] See the 2021 OSTP Public Access Congressional Report: https://www.whitehouse.gov/wp-content/uploads/2022/02/2021-Public-Access-Congressional-Report_OSTP.pdf

1

Nelson, Alondra. OSTP Memo. “Ensuring Free, Immediate, and Equitable Access to Federally Funded Research”, August 25, 2022. https://www.whitehouse.gov/wp-content/uploads/2022/08/08-2022-OSTP-Public-Access-Memo.pdf

PERSPECTIVE

Sara Gonzales (MS, MLIS)

Senior Data Librarian
Galter Health Sciences Library & Learning Center
Northwestern University
Feinberg School of Medicine

How can libraries and librarians support open publishing and open data?

OSTP/Nelson memo: removes 12-month publication embargo

Scholarly community reactions

Open letter to the WHOSTP and Subcommittee on Open Science (ostp-letter.github.io)

- Recommendation 3. Build, or fund the scholarly community to build a unified and freely accessible infrastructure for publishing content

Association of Research Libraries Statement (www.arl.org/news/arl-celebrates-biden-harris-administrations-historic-policy-to-make-federally-funded-research-immediately-available/)

- Research libraries are key partners providing this infrastructure (to a degree)
- ARL & many libraries support open science
- Likewise support use of free tools to encourage findability and openness (PIDs, standard metadata schema, etc.)

Data Librarians

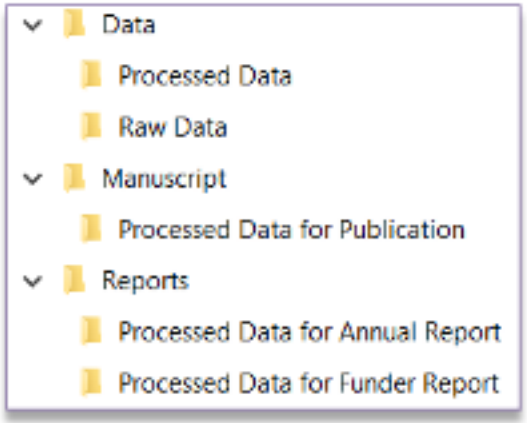
Critical Infrastructure

Data Management Training / NIH DMS Policy

- Consistent variable and file naming
- Supporting good data management practices
- Encouraging use of authoritative metadata
- Identifying appropriate repositories

Standards underlying current solutions

- DataCite for digital objects, & links between them
- PIDs, especially DOIs for all research objects
- ORCiD
- Research Organization Registry (ROR)
- Subject vocabularies (MeSH, LCSH)



MeSH

ORCiD
Connecting research and researchers

ROR

The Repository Landscape: Desirable Characteristics

- NIH supported data repositories
  - Infrastructure in place by NIH
- Registry of Research Data Repositories
- Institutional repositories
- Generalist repositories (Generalist Repository Comparison Chart, GREI)
  - All mint DOIs for deposit
  - All support DataCite metadata schema to describe datasets
  - All support various vocabularies / taxonomies for subject content

Table 1: DataCite Mandatory Properties

ID	Property	Obligation
1	Identifier (with mandatory type sub-property)	M
2	Creator (with optional name identifier and affiliation sub-properties)	M
3	Title (with optional type sub-properties)	M
4	Publisher	M
5	PublicationYear	M
10	ResourceType (with mandatory general type description sub-property)	M

Table 2: DataCite Recommended and Optional Properties

ID	Property	Obligation
6	Subject (with scheme sub-property)	R
7	Contributor (with type, name identifier, and affiliation sub-properties)	R
8	Date (with type sub-property)	R
9	Language	O
11	AlternateIdentifier (with type sub-property)	O
12	RelatedIdentifier (with type and relation type sub-properties)	R
13	Size	O
14	Format	O
15	Version	O
16	Rights	O
17	Description (with type sub-property)	R

Thank You

Sara Gonzales, MS, MLIS
Senior Data Librarian
Galter Health Sciences Library & Learning Center
sara.gonzales2@northwestern.edu

Support and Collaboration

- Galter Health Sciences Library, Feinberg School of Medicine
- Zenodo team https://zenodo.org/
- InvenioRDM open source community https://inveniosoftware.org/
- NIH Office of Data Science Strategy/Office of the NIH Director pursuant to OTA-21-009, "Generalist Repository Ecosystem Initiative (GREI)" through OTA# 1 OT2 DB000013-01

Northwestern Medicine
Feinberg School of Medicine

PERSPECTIVE

Anchalee (Joy) Panigabutra-Roberts

Head of Cataloging / Associate Professor
at the University of Tennessee Libraries, Knoxville, Tennessee

and an Americas Regional Council delegate to the OCLC Global Council (2022-2025)

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ORCID in the Catalog @UTK & the Nelson Memo

Anchalee (Joy) Panigabutra-Roberts

Associate Professor. Head, Cataloging
University of Tennessee Libraries
Americas Regional Council delegate to the OCLC Global Council (2022-2025)
apanigab@utk.edu

November 30, 2022

UT Libraries' Cataloging Workflow to Add ORCIDs to ETD Catalog Records & LC Authority Records (PCC URIs in MARC Pilot's Documentation & *NACO 024 Best Practices)*

ORCID

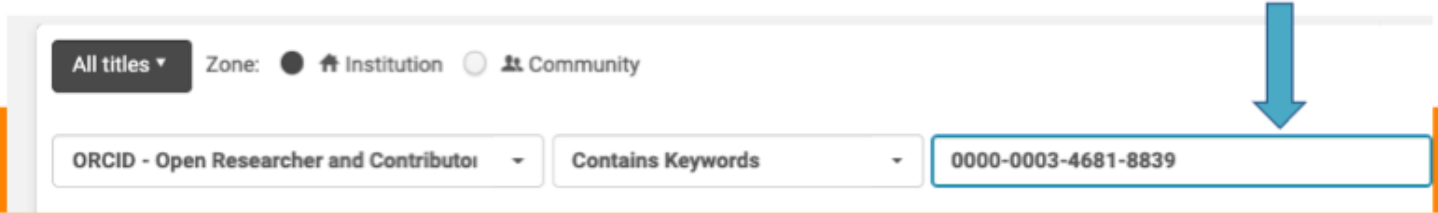
- **Authors**
  - **TRACE (Digital Commons)**
- **Degree supervisors**
  - **Faculty websites**
  - **Dimensions.ai**

OCLC WorldCat

- $1 https://orcid.org/0000-0002-9333-1102

Alma Local Records

- **$0 (orcid)0000-0002-9333-1102**
- $1 https://orcid.org/0000-0002-9333-1102



THE UNIVERSITY OF TENNESSEE KNOXVILLE

← BACK TO MY SEARCH

ABOUT | SCHOLARLY & CREATIVE WORKS

Associate Professor
Anchalee Panigabutra-Roberts

0000-0002-9333-1102

Library

865-974-5952 (Work)
apanigab@tennessee.edu
apanigab@utk.edu (Work)

Collaboration Network

SCHOLARLY & CREATIVE WORKS

Showing 1-25 out of 30

Title

CONFERENCE
Working with VanderBot to Add Multilingual Content
14 Jul 2022 • 2022 LD4 Conference on Linked Data
Panigabutra-Roberts A, Baskauf S, Dagher I
VIEW MORE INFO

CONFERENCE
Authority Toolkit Macro
14 Apr 2022 • Tennessee Library Association Annual Co
Panigabutra-Roberts A, Scott DW, Rosinski WM
VIEW MORE INFO

CONFERENCE
The Shift: Transforming Libraries through Artificial Int
14 Apr 2022 • Tennessee Library Association Annual Co
Panigabutra-Roberts A, Bilal D, He J, Chu CM, Rieh SY
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ORCID
Connecting research and researchers

Anchalee Panigabutra-Roberts

You are previewing the public version of your record 0000-0002-9333-1102 Edit this record

https://orcid.org/
0000-0002-9333-1102

Name
Anchalee Panigabutra-Roberts

ORCID as a hub for other researcher identifiers

Activities

Websites & social links

Google Scholar
SciENcv

Other IDs

Scopus Author ID: 55533077700
ResearcherID: N-9966-2015
Loop profile: 1465615
SciProfiles: 2596261

Keywords

researcher identifiers, human trafficking, Wikidata, Scholarly

Employment (6)

University of Tennessee: Knoxville, TN, US

2016-11-01 to present | Head, Cataloging and Metadata (University Libraries)
Employment

Source: Anchalee Panigabutra-Roberts

American University in Cairo: New Cairo, EG

2013-07-01 to 2016-10-25 | Head of Cataloging and Metadata (Libraries and Learning Technologies)
Employment

Source: Anchalee Panigabutra-Roberts

Elements: https://faculty.utk.edu/Anchalee.Panigabutra-Roberts/

Digital Science: https://www.digital-science.com/audience/academic-institutions/

THE UNIVERSITY OF TENNESSEE KNOXVILLE

WorldCat Entities

anchalee panigabutra

Back to search

Top

Key Information

Entity Subtypes

Names

View

Anchalee Panigabutra-Roberts

Copy URI

Entity ID: E39PBJjmMm9JXTCk3F8GK3VBfq

Entity Type: Person

Description: Head, Cataloging, University of Tennessee Libraries

Library of Congress Name Authorit...	no2018028483
ORCiD ID	0000-0002-9333-1102
VIAF ID	311520791874071123 99
WikiData Item ID	Q62393357

ORCID Acts As A Link Between the Bibliographic Universe & Researcher Identity Management Systems
plus many more integrations

WorldCat Entities as a hub for other authority data

THE UNIVERSITY OF TENNESSEE KNOXVILLE

The Nelson Memo's Impact On ORCID Users @UTK

ORCID

Disambiguation/ ORCID Elements

- Employment
- Education
- Funding
- Works
- Etc.

UTK Faculty

ORIED@UTK

- Register with ORCIDs
- Populate your ORCID iD account
- Link your populated ORCID iDs to SciENcv

Scholars' Collaborative @ UT Libraries

UT Libraries' LibGuide

- ORCID
- Elements
- Pivot
- SciENcv

PERSPECTIVE

Charles Watkinson

Associate University Librarian for Publishing and Director of University of Michigan Press at University of Michigan

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ABOUT THE ASSOCIATION OF UNIVERSITY PRESSES (AUPRESSES)

- 158 member presses in 17 countries
  - ca. 100 members based at colleges and universities
  - Over one third of these report organizationally to libraries
  - More than half have annual income under $1.5 million
  - At least 70% publish open access books
- Together publishing approximately 1,500 journals and 12,000 books annually, with over 330,000 titles in print

ASSOCIATION of UNIVERSITY PRESSES

https://aupresses.org/

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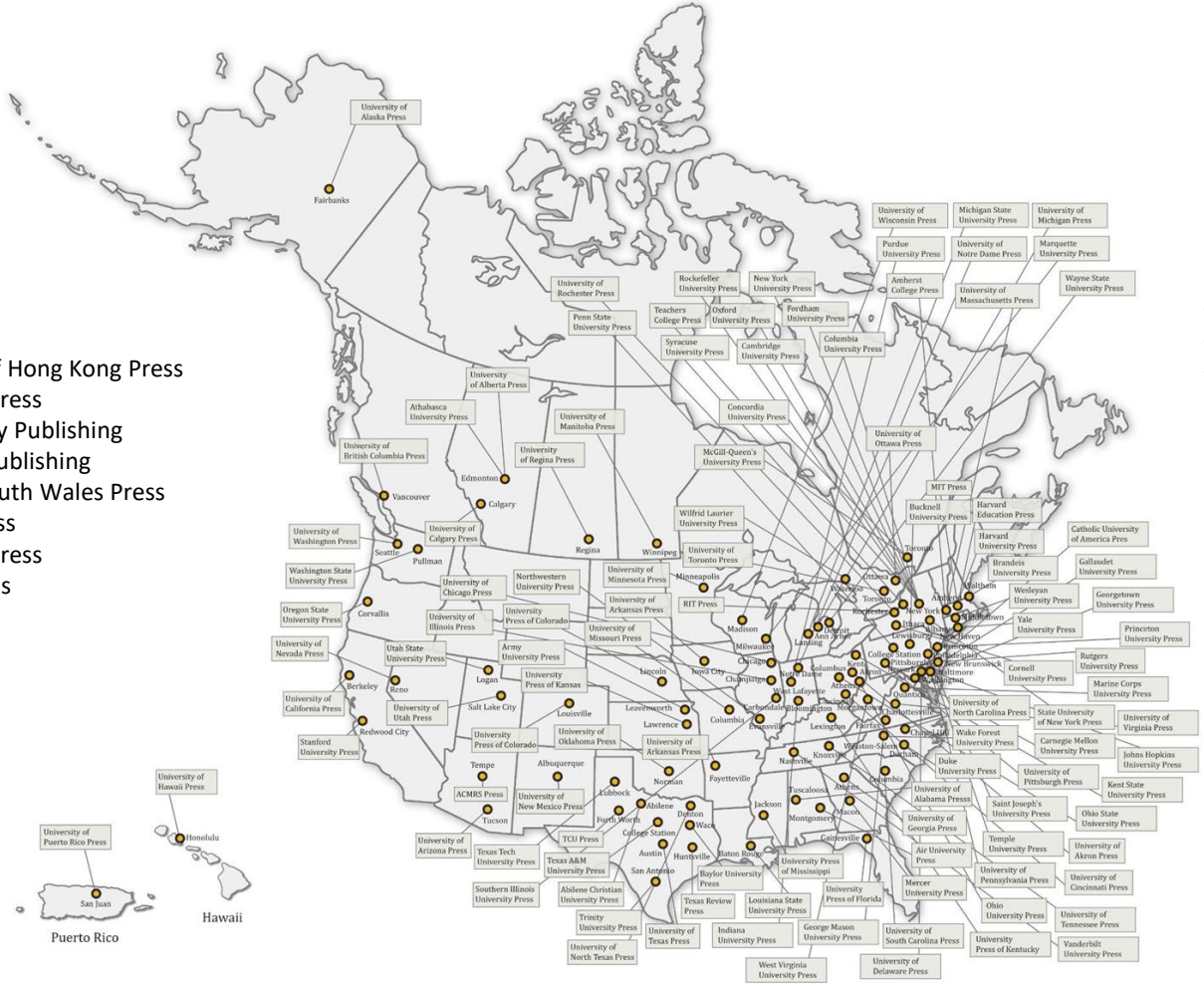
University of Guam Press
Melbourne University Publishing
Monash University Publishing
University of New South Wales Press
Otago University Press
University of Tokyo Press
Qatar University Press



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American University in Cairo Press
Amsterdam University Press
Bristol University Press
Cambridge University Press
Central European University Press
Cork University Press
Edinburgh University Press
Leuven University Press
Liverpool University Press
Manchester University Press
Oxford University Press
University College London Press
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Struggles for Political Change in the Arab World
First Nationalism Then Identity
Mirsad Kriještorac
CREATING CHAOS ONLINE
Asta Zelenkauskaite
Rationality of Irrationality
Kyung Joon Han
Electoral Campaigns, Media, and the New World of Digital Politics
HUMAN CAPITAL VERSUS BASIC INCOME
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MORTAL KOMBAT
GAMES OF DEATH
Normalization in World Politics
The Language(s) of Politics
DELEGATING RESPONSIBILITY
THE DEVELOPMENT OF POLITICAL INSTITUTIONS
IN CONTEMPT
TORTURE, HUMILIATE, KILL
HIKMET KARČIĆ
University of Michigan Press Open Access Books 2022
https://ebc.press.umich.edu/
Yosano Akiko and The Tale of Genji
CONTINGENT ENCOUNTERS
NET NEUTRALITY AND THE BATTLE FOR THE OPEN INTERNET
DANNY KIMBALL
Evading the Patronage Trap
While Waiting for Rain
MARGINAL PEOPLE IN DEVIANT PLACES
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Opposing POWER
COLLECTING LIVES
Elizabeth Rodrigues
Méliès Boots
Matthew Solomon
NEW GLOBAL CITIES IN LATIN AMERICA AND ASIA
PABLO BASOTTI, EDITOR
Pride, Not Prejudice

PERSPECTIVE

Rebecca Welzenbach

Research Impact and Information Science Librarian at the University of Michigan Libraries

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Where did I come from?

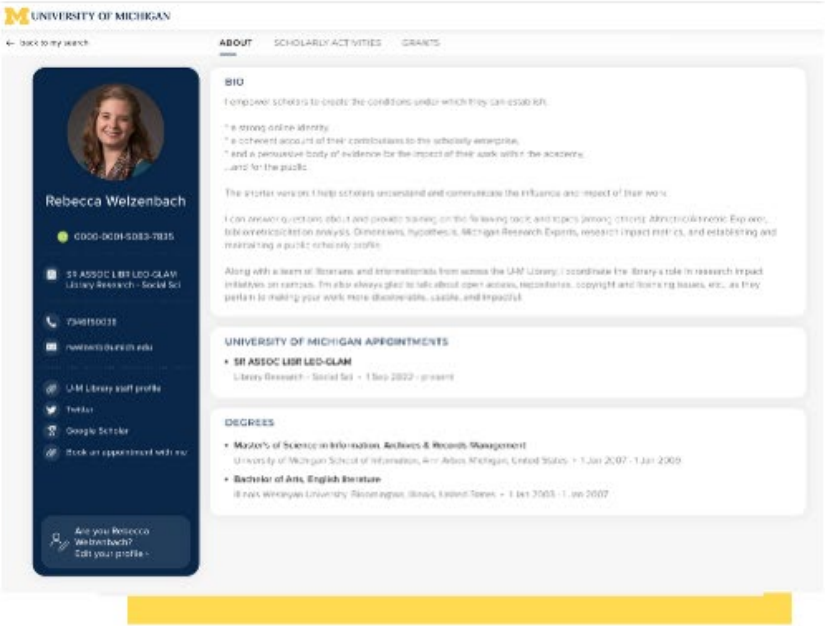
Michigan Publishing, U-M Library

- Digital Publishing assistant (2009)
- Digital Publishing Coordinator (2010-2012)
- Text Creation Partnership (2010-2014)
- Journals Coordinator (2013-2015)
- Lever Press (2014-2017)
- Director, Strategic Integration and Partnerships (2015-2017)
- Research Impact Librarian (2018-present)
- Information Science Librarian (2021)

Themes: open access, digital scholarship, usage/metrics, innovative business models/partnerships for producing & preserving scholarship, telling the story of why our scholarship matters

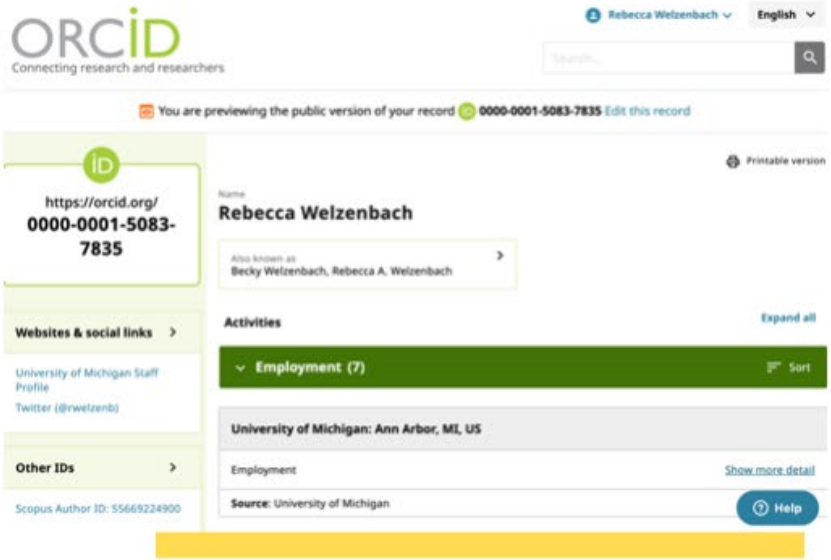
Michigan Research Experts (MRE)

- Connection to ORCID, Altmetric, Deep Blue repository
- Representation of University Library
- Collaboration with Michigan Medicine colleagues



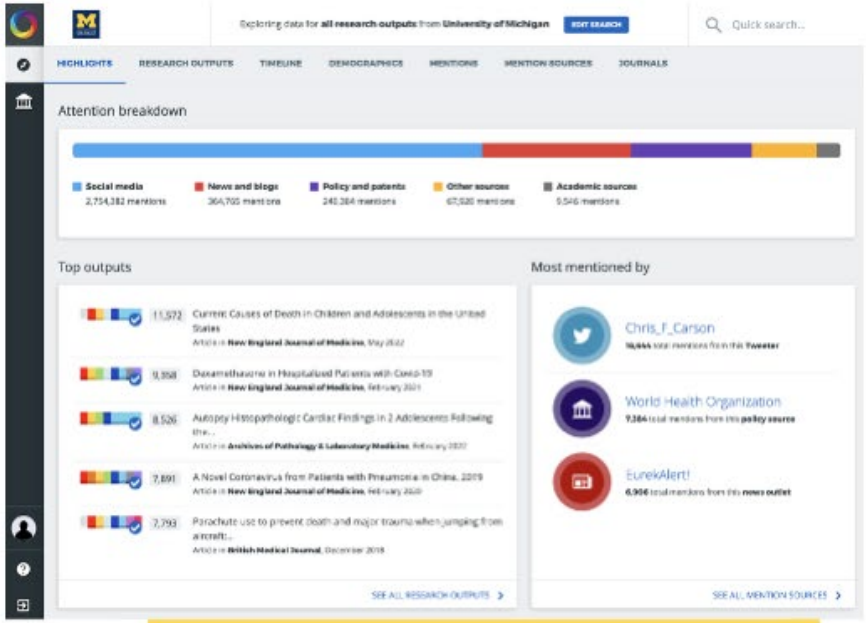
ORCID

- Education and outreach to faculty, graduate students
- Connections to tools like MRE, Deep Blue Repository, etc.
- Contact for other campus entities



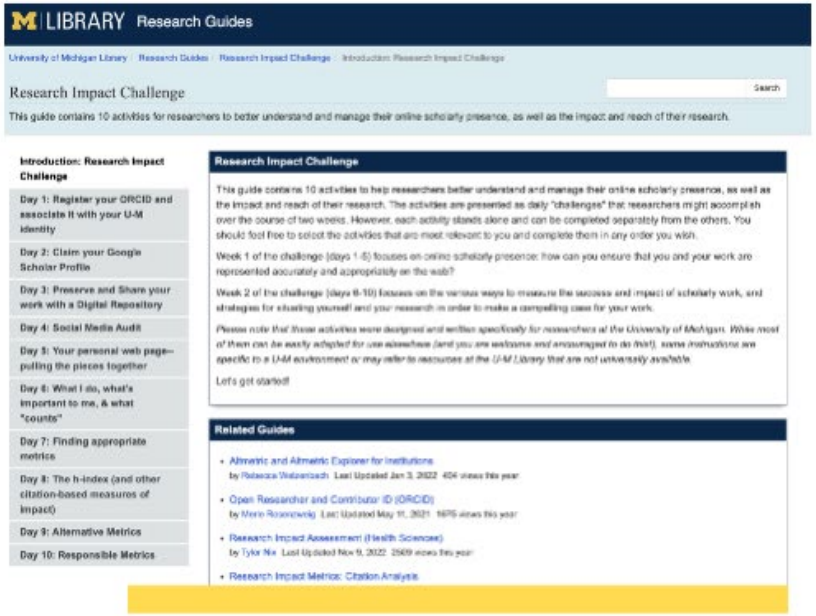
Altmetric

- Instruction and support
- Guidance for publishing & communicators who want engagement
- Creating reports/alerts
- Flagging strengths and shortcomings



Research Impact Challenge

- Optional e-mail-based challenge
- Available as a guide or stand-alone workshop
- Connects the threads of other work & projects
- Seeks to work for folks across disciplines & domains



Discussion

- Digital Persistent Identifiers (DPIs, aka persistent identifiers. (PIDS)) are a cornerstone of the Nelson Memo. What have you been doing to build PID infrastructure and encourage adoption for different kinds of entities?

  – What is a DPI/PID?
  – Which are the important ones that I should care about?

Discussion

- What have you learned about complying with available (and emerging) agency guidelines for open access to federally funded research?
  - How do you *socially interoperate* with other campus units charged with compliance?

Confidential. Not for distribution.

Discussion

- How can metadata improve user discovery experiences for OA publications of all types?
  - What rights metadata/use licenses are being used to differentiate OA versions from other versions?

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Discussion

- The Nelson Memo expands the universe of agencies to include the humanities and social sciences. What are the lessons learned from existing agency guidelines that can prepare us for future guidelines?

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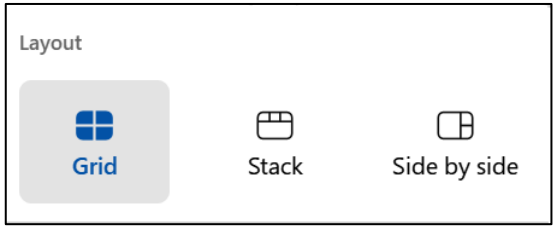
Suggested Webex Layout for discussion

1

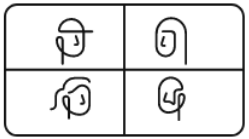
Click on "Layout" button

2

Choose "Grid" view



Panelists will display in a grid view



OCLC Research Library Partnership

Metadata Managers Focus Group

https://www.oclc.org/research/areas/data-science/metadata-managers.htm

Because what is known must be shared.®

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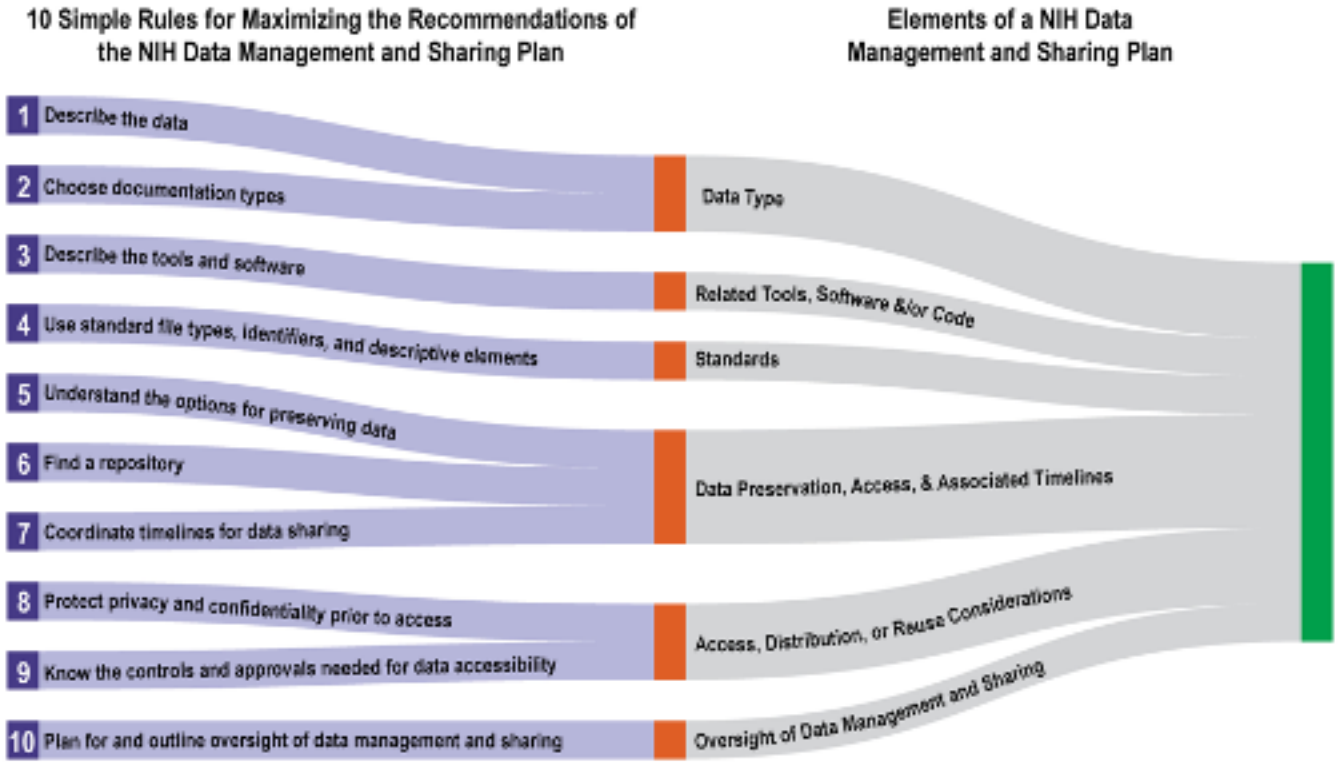
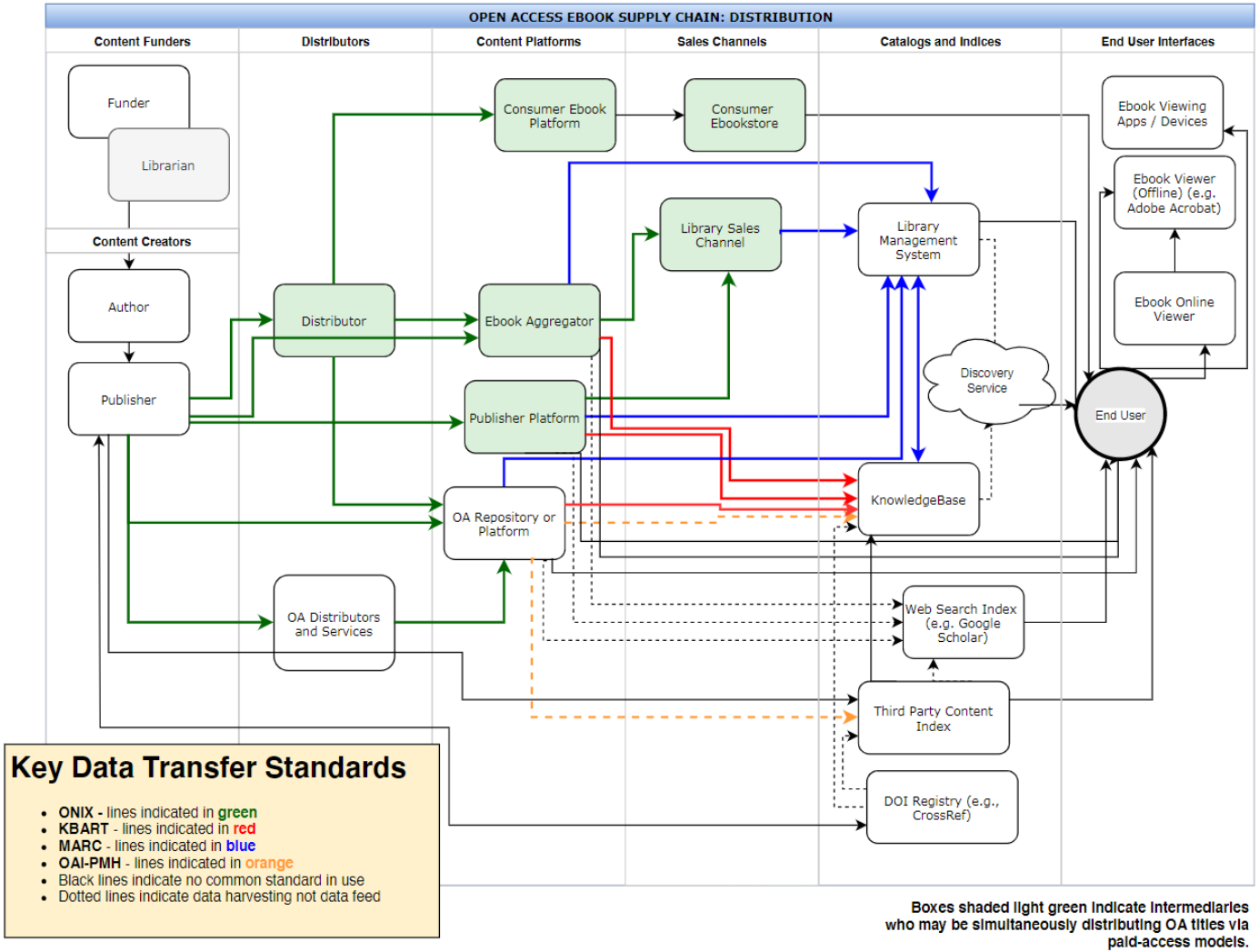
Appendix Slides

10 Simple RDM Rules mapped to NIH DMP Elements





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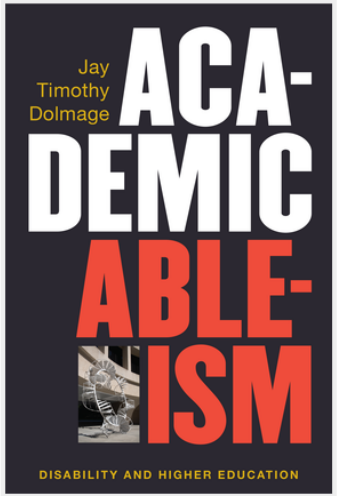

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Jay Timothy Dolmage

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Next step needs to be adding chapter records

Contact Summary Show: Contacts Default View

Contact Name

Individual Group

Last Name: Dolmage
First Name: Jay
Middle Name: T.
Title (Mr.,Ms.,Dr.):
Suffix(Jr.,Sr,III):
Degree(M.D.,Ph.D):
Job Title:
Pronouns Used:
Foreign Withholding %: 0
Display Name: Dolmage, Jay T Auto
Short Name:
Special Contact Display Name:

Active
Private
Personnel
Class: Contact
ISNI:
ORCID: https://orcid.org/0000-0003-0854-577X
External ID 1:
External ID 2:
US Citizen
Deceased
User ID Link:

Relationships

Key	Relationship/Co-Relationship	Name/Description

Addresses

Primary	Type/Description	Address
☑	Work /	University of Waterloo English Language and Literature 200 University Ave W Waterloo, ON N2L 3G1 Canada

Organization Information

Publisher: Michigan Publishing
Division:
Imprint:

ROR Identifiers

ROR 1: https://ror.org/01aff2v68

ORCID author identifier (https://orcid.org/) - API available

Next step would be adding CReDIT taxonomy?

ROR institution identifier (https://ror.org/) - API available

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