Metadata directions

Lorcan Dempsey
OCLC

@LorcanD

Eurasian
Academic
Libraries
Conference
June 29-30, 2021

WILEY

MIKRO Information Handling & Distribution FZE

Taylor & Francis Group
an informa business

ELSEVIER

SPRINGER NATURE

NAZARBAYEV UNIVERSITY

NAZARBAYEV UNIVERSITY LIBRARY

АБВрк

KITAПХАНА LIBRARY

Nur-Sultan 2021
EALC

Eurasian Academic Libraries Conference – 2021

"Contemporary Trends in Information Organization in the Academic Library Environment"

(Virtual Conference)

June 29-30, 2021

Acknowledge-ment

Thanks to my colleagues Andrew Pace, Merrilee Proffitt and John Chapman for assistance with material.

Divided into three parts

1	2	3
Metadata	Two directions	OCLC

Metadata …

A user may be a person or a program.

Data that relieves a potential user of having to have full advance knowledge of the existence or characteristics of a resource.

… Schematized assertions about a resource.
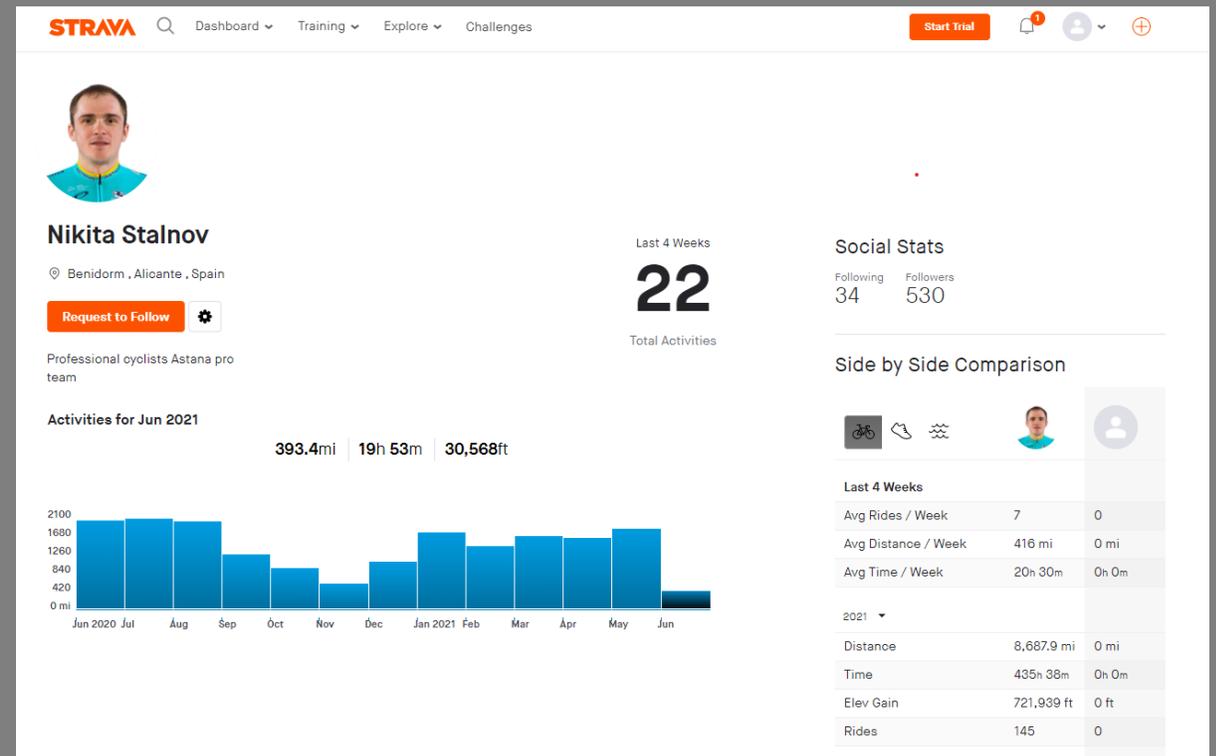
The intelligence in the digital environment

Resources

Discover, compare, reuse, buy, …

Workflow

Tie resources and people together
to get jobs done.

Environment

1	2	3
Metadata	Two directions	OCLC

2 directions

Entification

A singular identity for all resources of interest (entities).
Associated with metadata.
Graph.

Pluralization

Better represent identity, memory and experiences of communities
Repair harm.
'Just description'

Entification

- Create singular identity ('entification')

- Gather information about entities (e.g. as shown in knowledge cards)

- Create relationships between entities – graph (navigation – citation, co-creation, derivative, affiliation, recommendations, …)

Example .. Research information management
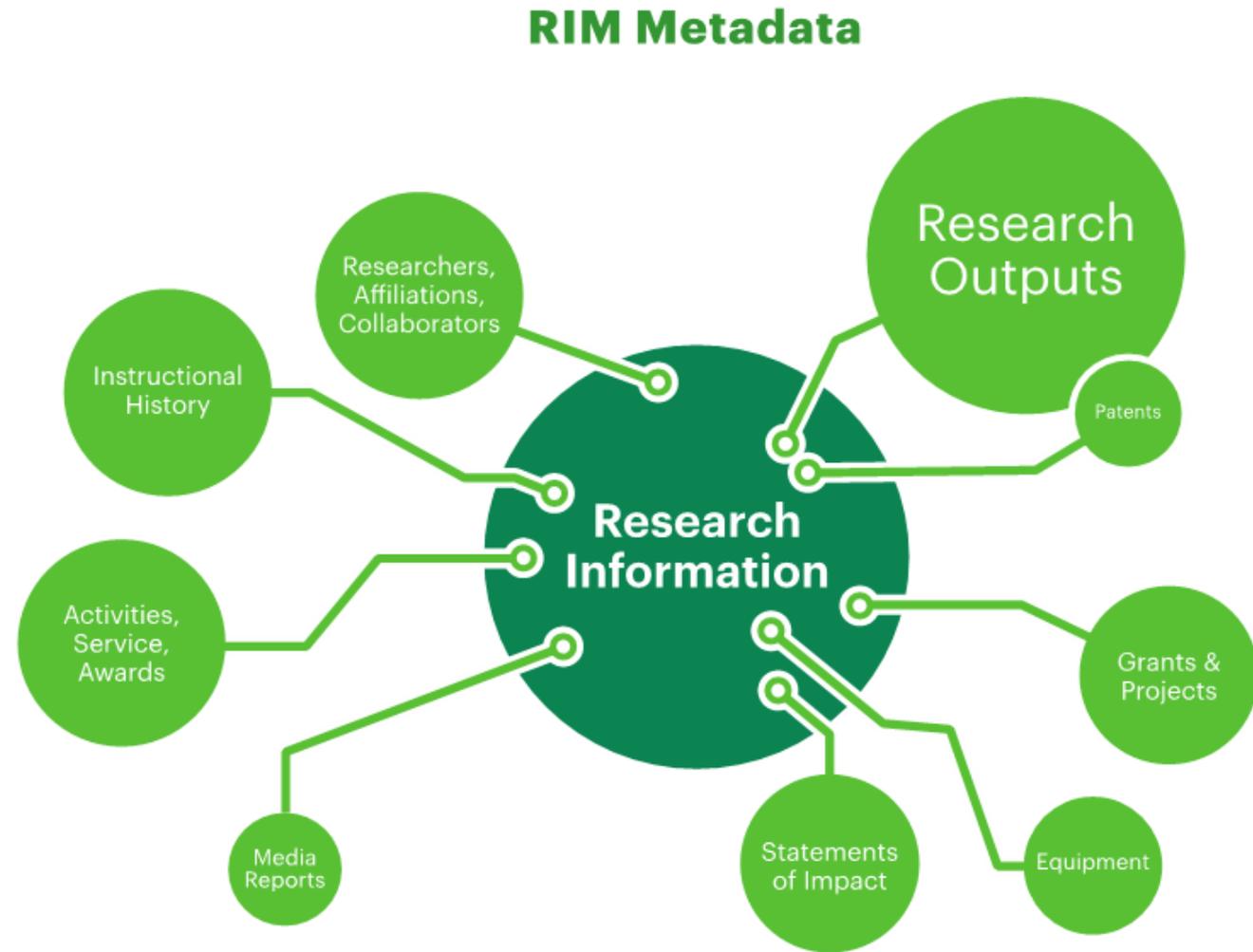
Welcome to Experts@Minnesota

Advanced search

Find U of M experts who work on topics related to racism and racial discrimination

8022	705	88	30021	306114	4824
Profiles	Research Units	University Assets	Projects and Grants	Research output	More

Light Microscopy

University Imaging Centers

Equipment/facility: Equipment

⟳ **Overview**   ◈ Fingerprint   📖 Research output (48)

⟳ Asset Details

Description

University Imaging Centers: Nikon Center of Excellence

The University Imaging Centers is a Nikon Center of Excellence(link is external). Nikon recognizes the UIC as a state-of-the-art microscopy resource that is mutually beneficial for both the University and Nikon. As a Nikon Center of Excellence, the UIC makes cutting-edge imaging tools accessible to the local scientific community and serves as a platform for the free exchange of ideas, methodologies, and technologies between investigators and Nikon toward the mutual goals of advancing research and developing new technologies. Nikon firmly believes that these types of partnerships between Academia and Industry are critically important for the rapid advancement of science and technology.

OPTICAL SYSTEMS INCLUDE:
Laser scanning confocal microscopes with multiphoton capabilities (two)
Single photon confocal microscopes (six, three with spectral unmixing)

Contact Information

Emails   uic@umn.edu

Web   Website
addresses

Asset hierarchy

University Imaging Centers

  Light Microscopy

    Leica LMD6500 Laser Dissection
    Microscope

    Leica MZ FL III Fluorescence
    Stereomicroscope

    Leica SP5 Multiphoton Upright

Search everything

fionnuala 🔍

Content type

Profiles (1)
Projects and Grants (9)
Research output (96)
Press / Media (4)

👤 Profiles

Fionnuala Ni Aolain

niaol002@umn.edu
Academics (Law) - Regents Professor
1995 ▁▁▂▁▁▃▅▆▇▅▄▃ 2021

View all 1 Profiles ❯
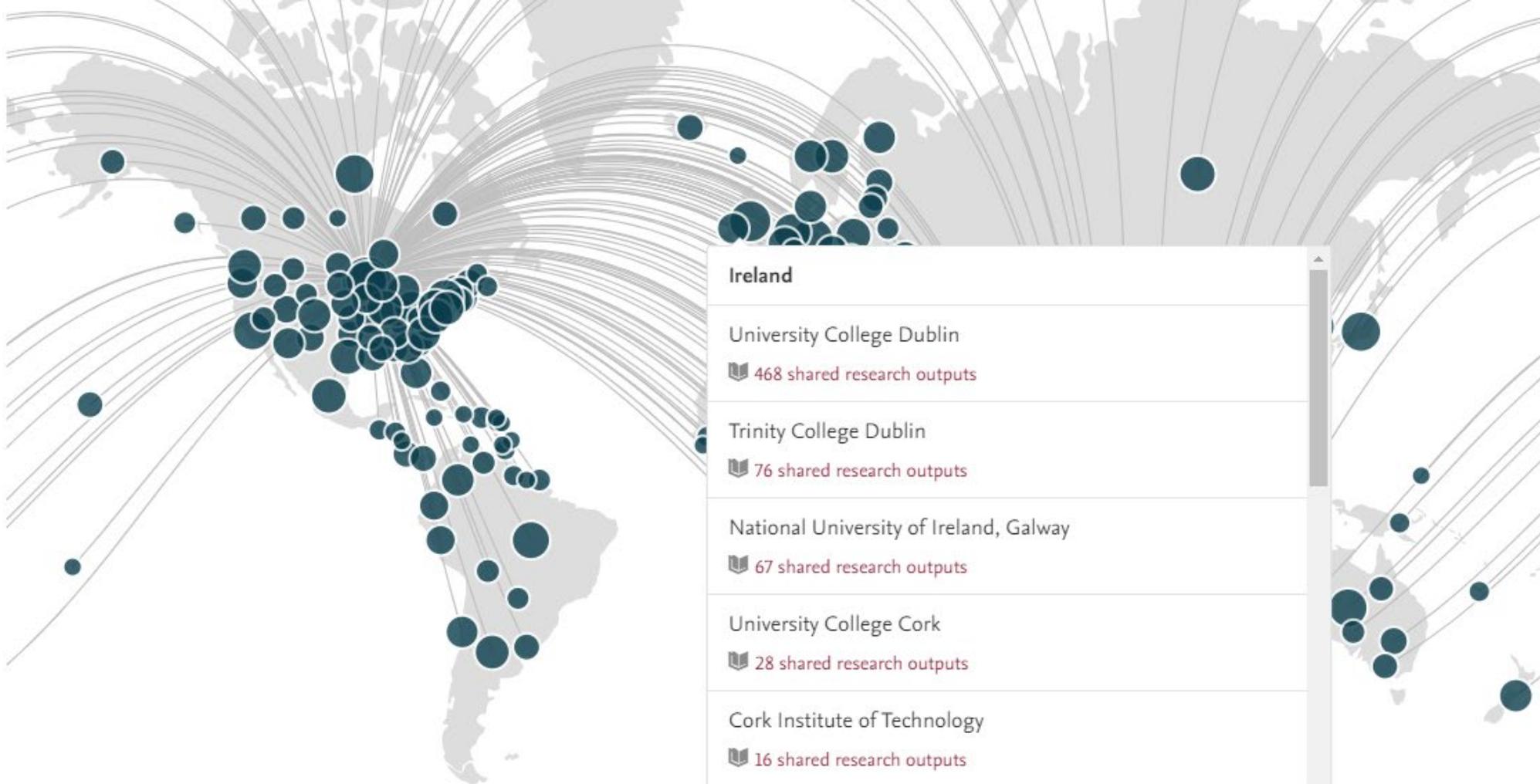
📦 Projects and Grants

Justice John Paul Stevens Public Interest Fellowship

Ni Aolain, F.
The John Paul Stevens Fellowship Fdn.
5/1/11 → 4/30/16
Project: Research project

Ireland

University College Dublin

📖 468 shared research outputs

Trinity College Dublin

📖 76 shared research outputs

National University of Ireland, Galway

📖 67 shared research outputs

University College Cork

📖 28 shared research outputs

Cork Institute of Technology

📖 16 shared research outputs

Munster Technological University

📖 13 shared research outputs

Maynooth University

📖 11 shared research outputs

Royal College of Surgeons in Ireland

📖 8 shared research outputs

| ○ Health | ○ Biomarkers | apeutics |
| Medicine & Life Sciences | Medicine & Life Sciences | ine & Life Sciences |

| ○ Confidence Intervals | ○ Child | trics |
| Medicine & Life Sciences | Medicine & Life Sciences | ine & Life Sciences |

Fionnuala Ni Aolain

Regents Professor, **Academics (Law)**

Email
niaol002@umn.edu

View Scopus Profile

1995 ...   2021
Research activity per year

👤 **Overview**   ⦿ Fingerprint   ◉ Collaboration Network   ⬢ Projects and Grants (9)   📖 Research output (91)   •••

👤 Personal profile

Expertise related to UN SDGs

In 2015, UN member states agreed to 17 global Sustainable Development Goals (SDGs) to end poverty, protect the planet and ensure prosperity for all. This person's work contributes towards the following SDG(s):

| 5 GENDER EQUALITY | 10 REDUCED INEQUALITIES |

Dimensions

FILTERS   FAVORITES

PUBLICATIONS DATASETS GRANTS PATENTS CLINICAL TRIALS POLICY DOCUMENTS
1,315   0   3   0   0   10

< ANALYTICAL VIEWS

▼ PUBLICATION YEAR

○ 2021	
○ 2020	165
○ 2019	183
○ 2018	109
○ 2017	105
○ 2016	65
○ 2015	86
○ 2014	63
○ 2013	56
○ 2012	76

More

☑ Show abstract   Sort by: Relevance ⌄

Title, Author(s), Bibliographic reference - About the metrics

What Does Postconflict Security Mean for Women?

Fionnuala Ní Aoláin

2013, Gender, Violence, and Human Security - Chapter

Citations ‹ 1   ☰₊ Add to Library

Transformative Gender Justice?

Fionnuala Ní Aoláin

2019, From Transitional to Transformative Justice - Chapter

Citations ‹ 2   ☰₊ Add to Library

Advancing a Feminist Analysis of Transitional Justice

Fionnuala Ní Aoláin

2013, Feminist Perspectives on Transitional Justice - Chapter

☰₊ Add to Library

The Cloak and Dagger Game of Derogation

Fionnuala Ní Aoláin

2016, Human Rights in Emergencies - Chapter

☰₊ Add to Library

Human Rights Meets Intimate Partner Sexual Violence

Monica McWilliams, Fionnuala Ní Aoláin

2016, Marital Rape - Chapter

☰₊ Add to Library

The Individual Right of Access to Justice in Times of Crisis: Emergencies, Armed Conflict, and Terrorism

▼ RESEARCHER

✓ Fionnuala Ní Aoláin	40
○ Jean H Quataert	34
○ Lora Wildenthal	34
○ Marzia Scopelliti	24
○ Zhaklin Valerieva Yaneva	24
○ Fionnuala D Ní Aoláin	12
○ Dina Francesca Haynes	9
○ Padraig Mcauliffe	8
○ Naomi R Cahn	7
○ Louise Mallinder	7
○ Sara Ellen Davies	5

📁 RESEARCH CATEGORIES ⌄

16 Studies in Human Society	593
18 Law and Legal Studies	466
1801 Law	466
1606 Political Science	436
1699 Other Studies In Human Society	179

🚩 OVERVIEW ⌄

Citations	Citations (Mean)
5 K	**3.53**

200

100

0

2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

—●— Publications (total)

👥 RESEARCHERS ⌄

Fionnuala Ní Aoláin University of Minnesota, United States	40
Jean H Quataert	34
Lora Wildenthal	34
Marzia Scopelliti	24
Zhaklin Valerieva Yaneva	24

📖 SOURCE TITLES ⌄

Pluralization

Harmful description

Dated description

Don't respect cultural protocols or norms

Represent colonial or occupier perspective

Don't include important experiences or perspectives

Embody partial cultural assumptions

EQUITY, DIVERSITY, INCLUSION (EDI) / METADATA

Towards respectful and inclusive descript

December 17, 2020 - by Merrilee Proffitt

Because of this and other learning opportunities, I have been refle
the land I live on, which is the unceded territory of the Chochenyo
you are curious ...

READ MORE

Survey | Equity, Diversity, and Inclusion in the OCLC Research Library Partnership (2017)

Most changed (ranked)

- Activities & events
- Recruitment & retention
- Outreach to marginalized communities
- Collection building
- Selection of materials for digitization
- Institutional website
- Metadata descriptions for archival materials

Most planned (ranked)

- Search and discovery interfaces
- Metadata descriptions in library catalogs
- Metadata descriptions in digital/digitized collections
- Terminologies and/or vocabularies

OCLC

4 sources of metadata about resources

Profession al

Community

Program -matically promoted

Intentional

Knowledge work Adding to the graph

Knowledge contribution

Enriching the graph

Choices, clicks > analytics

Responsible description underlines library values and expertise.

Divided into three parts

1	2	3
Metadata	Some trends	OCLC

Entification:
Shared entity management infrastructure

Shared Entity
Management
Infrastructure
(2020-21)

For linked data to move into common use, libraries need reliable and persistent identifiers and metadata for the critical entities they rely on. This project begins to build that infrastructure and advances the whole field.
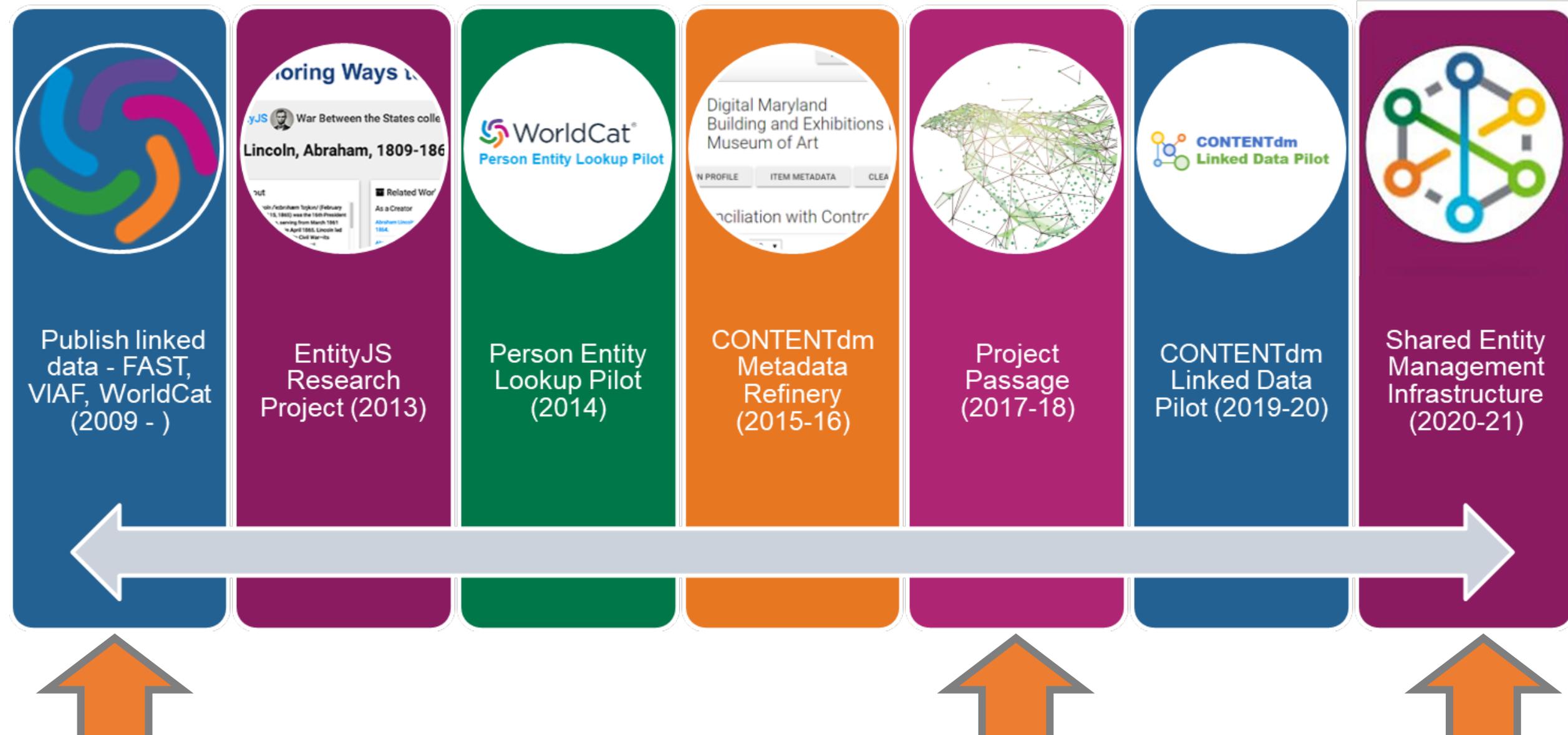
Lorcan Dempsey
OCLC Vice President, Membership and Research, and Chief Strategist

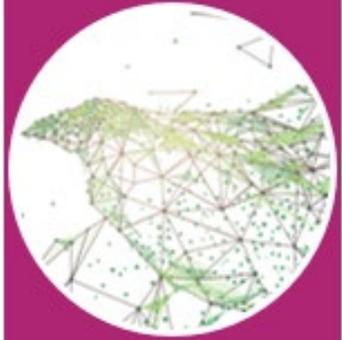Photo by Robynne_Hu on Unsplash

A decade with Linked Data

Publish linked data - FAST, VIAF, WorldCat (2009 -)

EntityJS Research Project (2013)

Person Entity Lookup Pilot (2014)

CONTENTdm Metadata Refinery (2015-16)

Project Passage (2017-18)

CONTENTdm Linked Data Pilot (2019-20)

Shared Entity Management Infrastructure (2020-21)

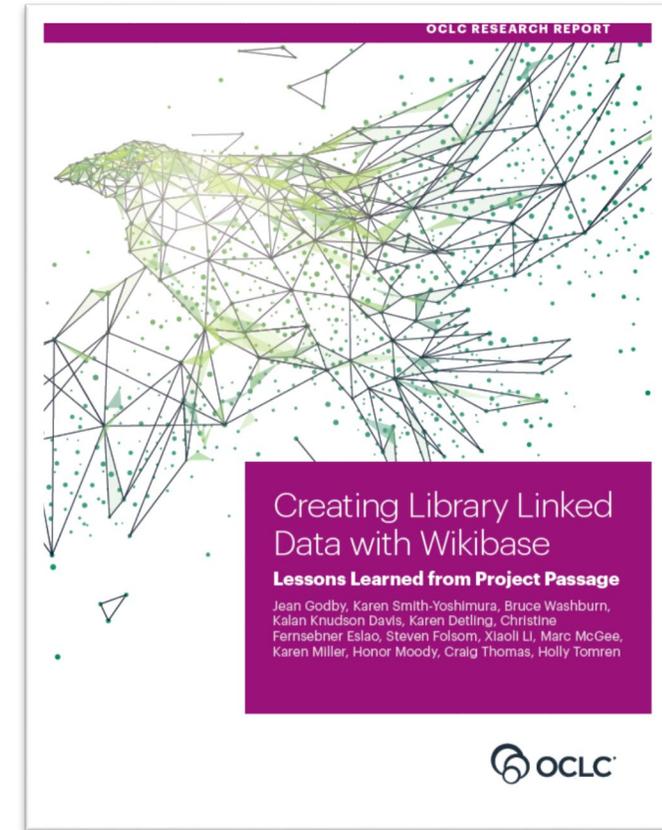# Project Passage Conclusions

Project Passage
(2017-18)

Selected Conclusions

- A Linked Data infrastructure can create data that exceeds current library standards.
- Ontologies are vitally important.
- User interface enhancements to the infrastructure can improve library workflow.
- A knowledge graph requires tools to import external datasets.
- Interoperability between datasets is crucial for import and export.
- Linked data work diminishes the distinction between bibliographic and authority data.

oc.lc/passagereport

OCLC RESEARCH REPORT

Creating Library Linked Data with Wikibase

Lessons Learned from Project Passage

Jean Godby, Karen Smith-Yoshimura, Bruce Washburn, Kalan Knudson Davis, Karen Detling, Christine Fernsebner Eslao, Steven Folsom, Xiaoli Li, Marc McGee, Karen Miller, Honor Moody, Craig Thomas, Holly Tomren

OCLC

Shared entity management infrastructure

- Production infrastructure for Work and Person entities
- Support for multiple descriptive and encoding standards
- Use of persistent identifiers
- **Most importantly: a collaboration with the library community**

THE ANDREW W. MELLON FOUNDATION

GRANTS DATABASE /

OCLC, Inc.

Entity Reconciliation for Linked Open Data

to support the development of an infrastructure to reconcile entities, such as names, for linked open data

Location:	Dublin, OH, United States
Amount:	$2,436,000
Date:	Dec. 9, 2019
Length:	24 months
Program Area:	Scholarly Communications
Area of focus:	Access and Library Services
Reference number:	1907-06977

Advisory group members

Timeline of activities

2020		2021	
January - June	**July - December**	**January - June**	**July - December**
• Wikibase: Millions of entities • Simple search & read	• Ramp up: 10s of millions of entities • Creation and editing tools	• Add more data sources • Advanced querying, new UI tools	• Scale and refine • Prepare for release

Production release
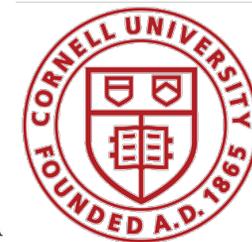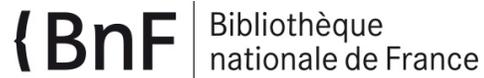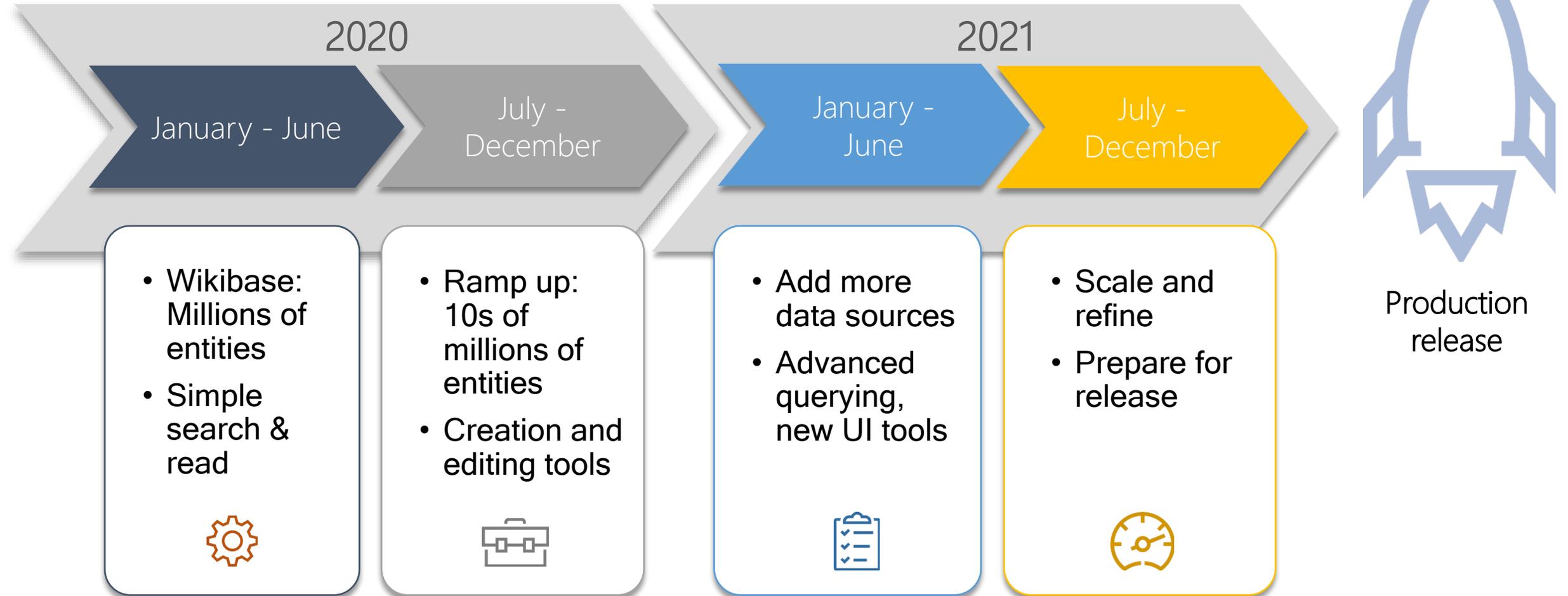
OCLC awarded Mellon Foundation grant

Reimagine Descriptive Workflows

Convening in 2021 – first step in a global conversation

Diverse group of experts, practitioners, and community members

Examine and learn from localized efforts

Improve practices, tools, infrastructure and workflows at scale and at a community level

Develop a community agenda, which identifies the issue and maps a path forward

Visit oc.lc/reimagine-workflows to learn more

Survey | If you had a magic wand…

Change in mindset: it's okay to slow down, take care with the problem.

Bring **library** leaders them into the process.

More Indigenous librarians, more Indigenous library school students (especially in metadata work).

Linked data (mapping inappropriate terms to more appropriate ones)

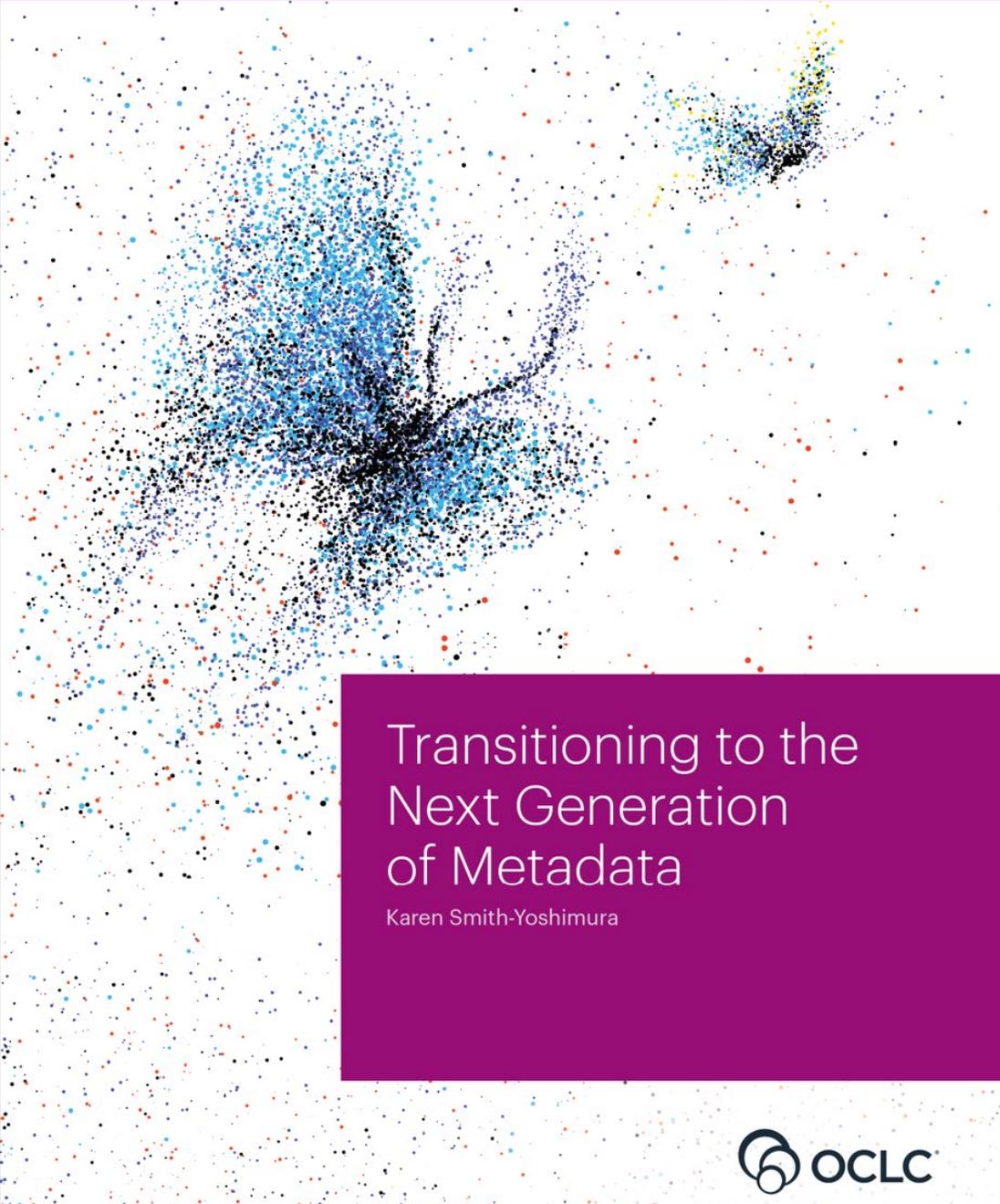Potential for FAST (Faceted Application of Subject Terminology)
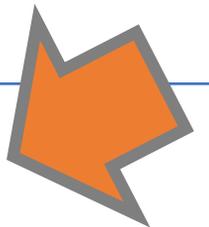
Lorcan
Dempsey
OCLC

@LorcanD

Thank
you

DempseyL@
OCLC.org

Transitioning to the
Next Generation
of Metadata
Karen Smith-Yoshimura