

LIBRARY FUTURES

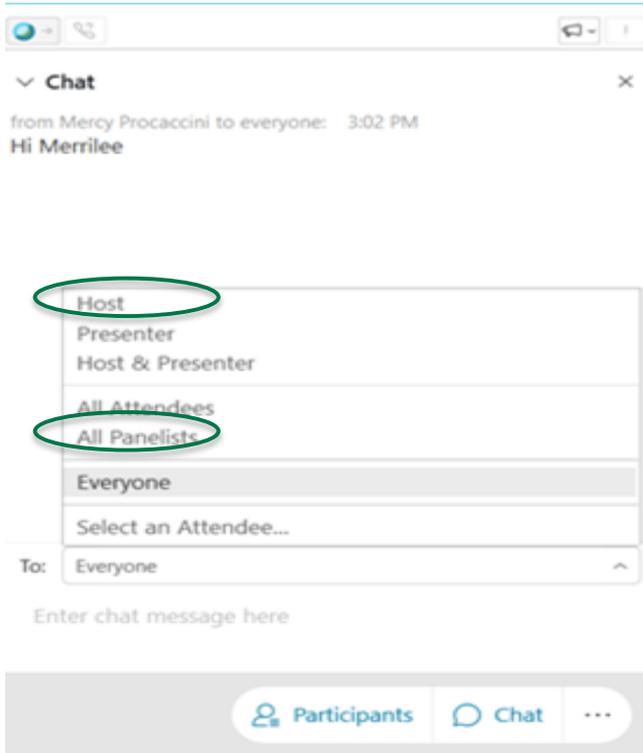
OCLC EMEARC WEBINAR SERIES

This webinar will be recorded.
The recording will be **published** on the OCLC
website.

#oclcemearc21

LIBRARY FUTURES

Some tips with WebEx



Ask the host for technical help

Send a chat message to All Panelists

To go to the chat

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LIBRARY FUTURES

Welcome

Reinhard Altenhöner

EMEA Regional Council Executive Committee Delegate

#oclcemearc21

LIBRARY FUTURES



Reinhard Altenhöner

Deputy General Director
Staatsbibliothek Berlin, Germany



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Department for Culture and Tourism
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Poland

Enhancing the visibility and
accessibility of
open content.



OCLC GLOBAL COUNCIL

Global Perspectives on Discovery and Fulfillment

Findings from the 2020 OCLC Global Council Survey



GATHERING GLOBAL INSIGHTS

OCLC RESEARCH DISCUSSION SERIES

Next Generation
of Metadata



Today's speakers

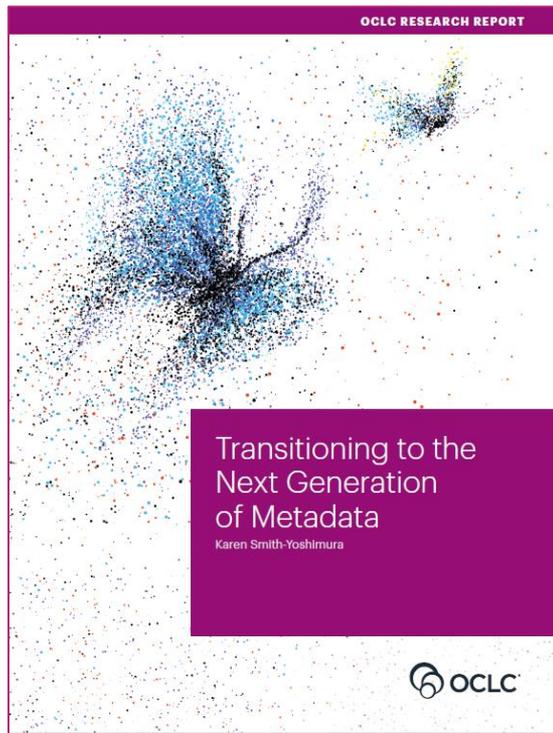


13 April 2021 • Closing Plenary

Findings from the round table discussions

#OCLCmetadataseries

Transitioning report by Karen Smith-Yoshimura



oclc.org/nextgen-metadata-report

This report served as inspiration and background reading for the discussion series

Spanish translation of Karen's report on the [BNE website](#)

#OCLCmetadataseries

The OCLC Research Series on Next Generation Metadata



OPENING PLENARY WEBINAR

Tuesday 23 February 2021,
15:00 (CET)



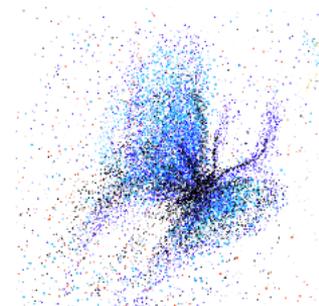
INTERACTIVE ROUND TABLE

During the first two weeks of
March 2021.



CLOSING PLENARY WEBINAR

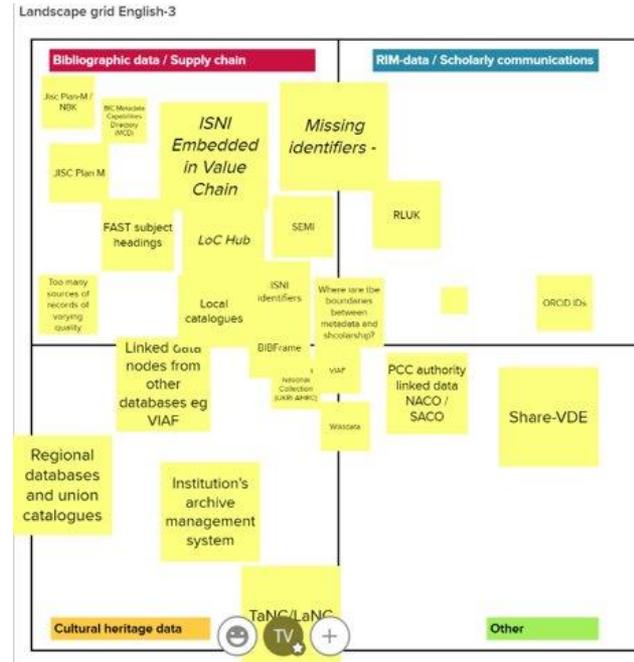
Tuesday 13 April 2021,
15:00 (CET)



#OCLCmetadataseries

Mapping exercise

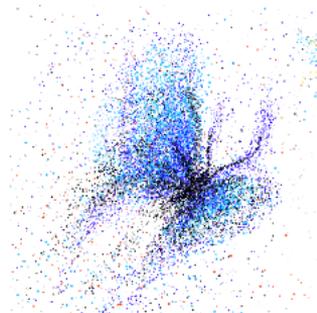
- Bibliographic data / Supply chain
- Cultural heritage data
- RIM-data / Scholarly communications



#OCLCmetadataseries

Main discussion question

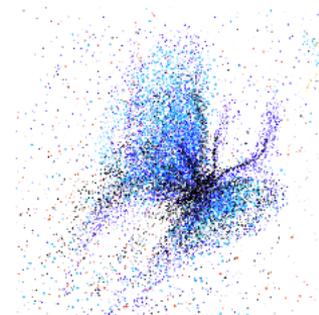
*How do we make the transition to the Next Generation of Metadata happen at the **right scale** and in a **sustainable manner**, building an **interconnected ecosystem**, not a garden of silos?*



#OCLCmetadataseries

Participants and outputs

- **Broad interest:** representatives from 71 institutions (67% university libraries) - from 17 countries
- **Insightful reports:** 8 blog posts + translations on [HangingTogether](#)



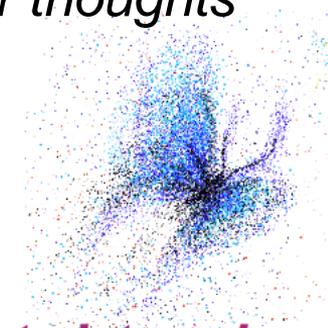
#OCLCmetadataseries

Feedback

"It was very inspiring and interesting to hear how other experts from different backgrounds and projects deal with similar problems.

I liked that it was a general conversation without a strict agenda which gave participants the opportunity to freely express their thoughts and the conversation to be lively and adaptable."

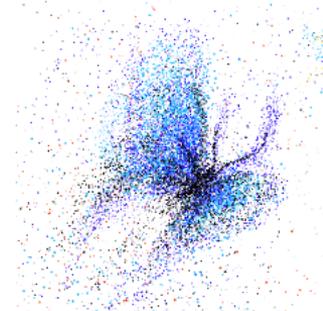
[First English session]



#OCLCmetadataseries

Findings

1. **Predominant topics**
2. **Barriers and needs during the transition**
3. **Expectations and questions about the Shared Entity Management Infrastructure**



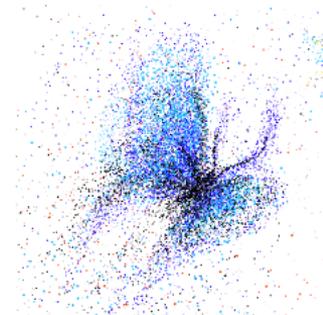
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Predominant topics of the discussions

Predominant topics

1. Investing in authorities and identifiers
2. Interlinking data
3. Managing multiple scales



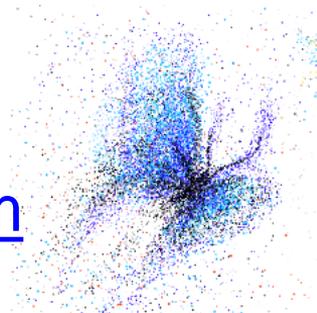
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Investing in authorities and identifiers

Context: Open Government Data

- strong focus on **transforming** and **publishing** library data
- is driving **collaboration** at **national** levels

e.g. [French National Bibliographic Transition Program](#)



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Investing in authorities and identifiers

Aim: To achieve a critical mass of interoperable library data

- increasing the usefulness of authority data through reconciliation
- populating data sources and systems with library data
- embedding PIDs in the value-chain

e.g. ISNI => VIAF => LC/NACO



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Interlinking data

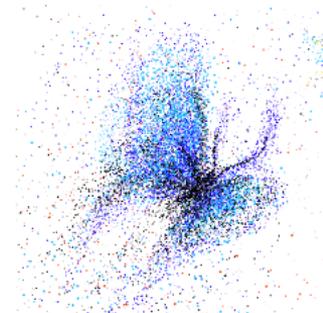
“When you refer to data that has already been defined by others, you relinquish control over that piece of information, and that can be a mental barrier against doing linked data the proper way. It is much safer to store and manage all the data in your own silo. But the moment you can let go of that, the world can become much richer than you could ever achieve on your own.”

[Dutch session]

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Interlinking data

- About aggregators and discovery hubs and the value proposition of linked data
- Need for semantic interoperability: there is no unique model; reconcile across vocabularies/ontologies inside and outside library domain
- Opportunities:
 - Connecting between different languages
 - Connecting between different granularities
 - Automatic metadata generation/AI/machine-learning

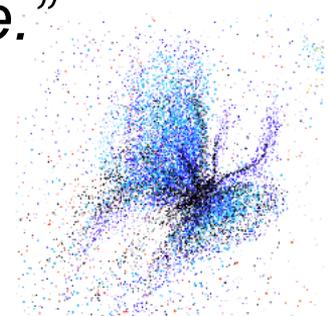


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Managing multiple scales

*“There are multiple, co-existing ‘right scales’
for next generation metadata that need
to be interconnected and managed as a whole.”*

[French session]



#OCLCmetadataseries



Andrew K. Pace

Executive Director for Technical Research,
OCLC

A decade with Linked Data

oclc.org/linkeddataresearch



What we learned: Project Passage & CONTENTdm Pilot



oc.lc/passagereport

oc.lc/transform-linked-data

Project Passage

- Linked Data can exceed current library standards.
- Ontologies are vitally important.
- User interface enhancements are needed.
- A knowledge graph requires new interoperability and import functionality.
- Linked data diminishes the distinction between bibliographic and authority data.

What we learned: Project Passage & CONTENTdm Pilot



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CONTENTdm Linked Data Prototype

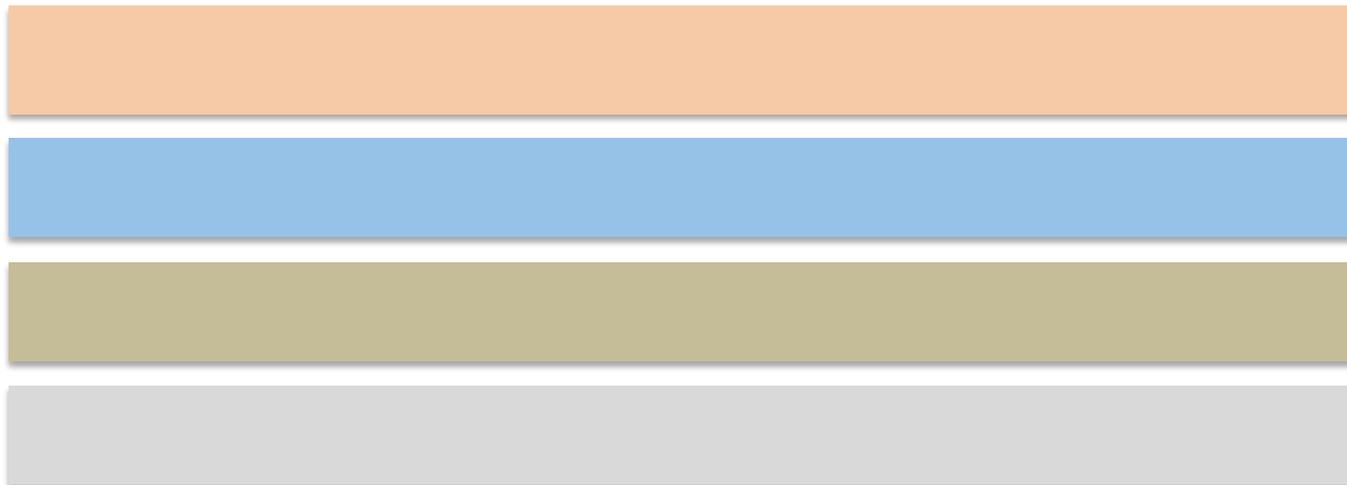
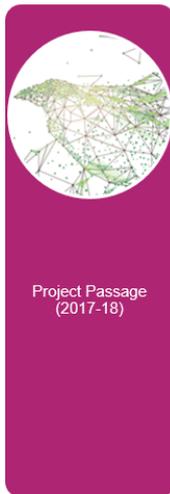
- The value proposition succeeds.
- Shared data models are an excellent starting point.
- Decentralized domain expertise is needed for the transformation.
- Substantial resource commitments required, but benefits accrue long before the journey is complete.
- Working partnerships represent strength in numbers.

What we heard



- **Publishing data on the web drives national collaboration, requiring**
 - the presence persistent identifiers and the ability to create them in library workflows
 - the interfaces and ecosystem to create native linked data descriptions
- **To achieve a critical mass of interoperable library data, libraries are**
 - investing in authorities and identifiers
 - seeding the web with PIDs and library data
- **For successful interlinking, libraries need to**
 - find tools for broad reconciliation across vocabularies & ontologies
 - relinquish control and grow trust in data from external parties
 - reconcile vocabularies/ontologies inside and outside library domain
- **Libraries will have to manage multiple scales**

What we discovered: a semantic continuum



What we discovered: a semantic continuum



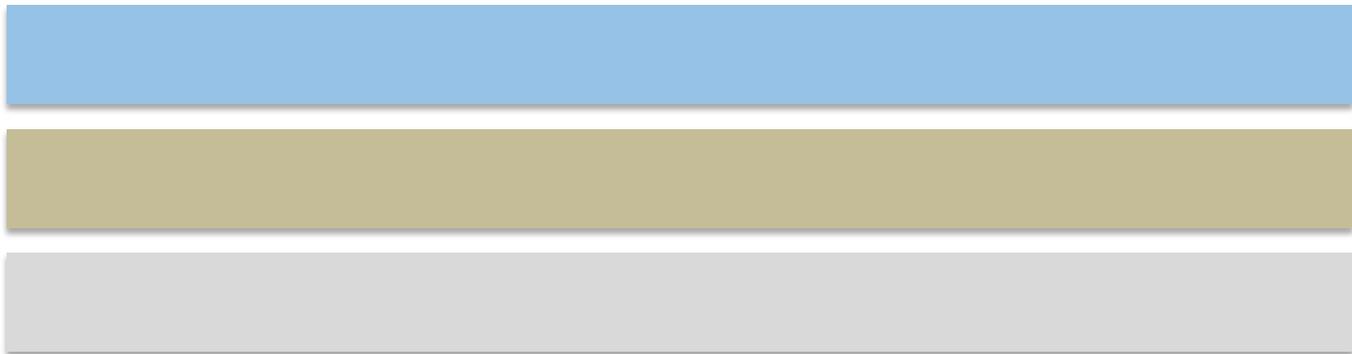
Project Passage
(2017-18)



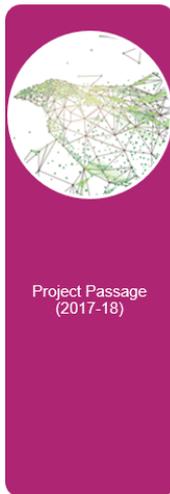
CONTENTdm Linked
Data Pilot (2019-20)

**Shared, homogeneous, and
centralized entities...**

**...accounting for the reality of localized,
heterogeneous, de-centralized collections**



What we discovered: a semantic continuum



Shared, homogeneous, and centralized entities...

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Machine-matching, highly automated reconciliation...

...with tools for hand-matching, semi-automated reconciliation

What we discovered: a semantic continuum



Project Passage
(2017-18)



CONTENTdm Linked
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**Well-accepted context:
Persons & Works**

**Granular context:
About, Depicts, Annotations, Notes**

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Blurs the line between bibliographic & authority work

Blurs the line between object description & context description

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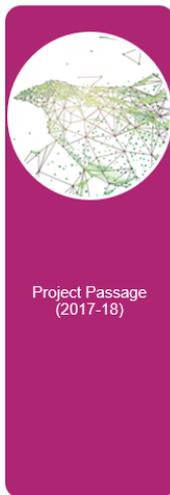
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Custom applications and interfaces are needed.**

This will facilitate new Knowledge Work in libraries.

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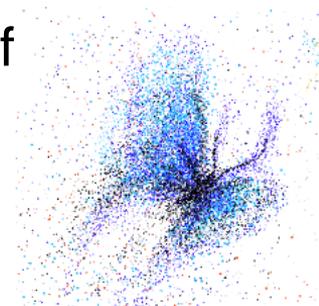


Barriers and needs during the transition

Systems used in libraries are not ready

Current systems are not ready to support libraries in the transition:

- No integration of PIDs, local authorities, or links to/from external sources
- No integrated workflow, additional systems, duplication of effort, waste of time



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Sustainability versus projects

At the basis of sustainability is **knowledge**. Sustainability is closely linked to:

- the purpose and objectives of projects
- the data quality
- the extent to which the end user benefits

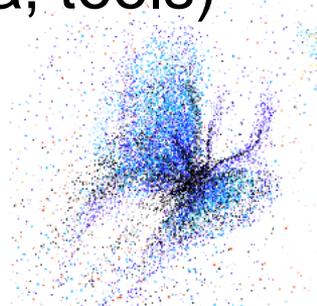
"Let us get rid of the 'project' concept, but rather acknowledge that this is an ongoing effort which needs appropriate staffing, unlimited job positions, and sufficient financial resources! In this realm - at least of next generation metadata - we should no longer be working on a project basis."

[German session]

#OCLCmetadataseries

Knowledge sharing/professional development

- Next generation metadata is often a “stretch assignment” for staff, on top of everything else
- Having to learn news tools/systems (e.g. Wikidata) is not easily done. Learning curves are steep
- Regular training for staff in these areas (graph data, tools) is necessary but is not always available
- Looking to OCLC for leadership in this area



#OCLCmetadataseries

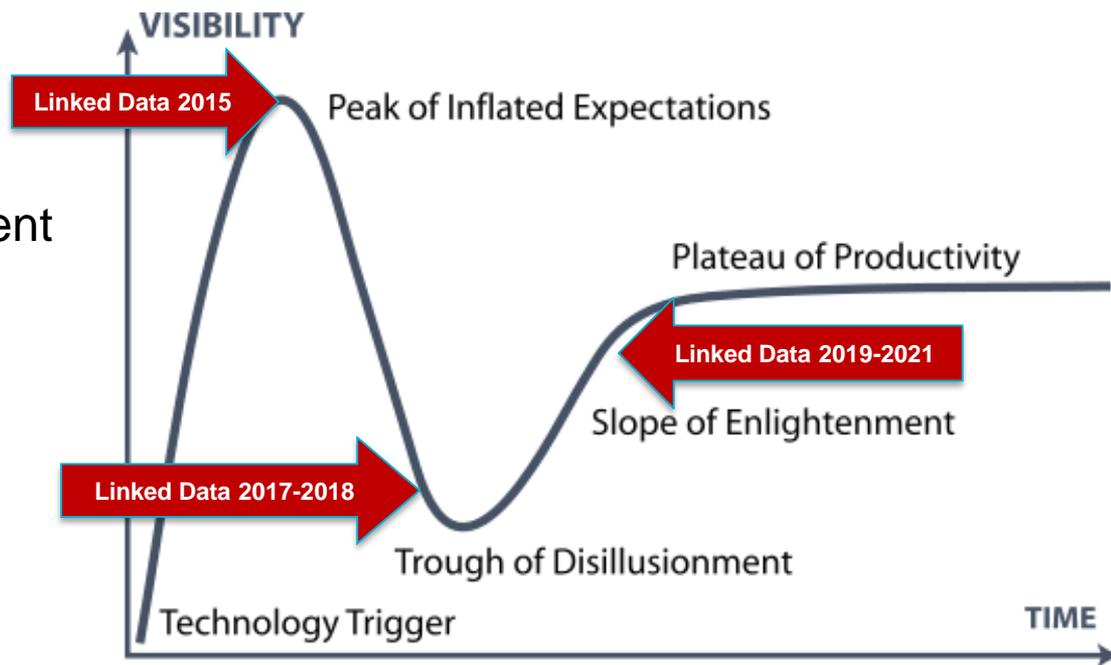


Rachel Frick

Executive Director, Research Library
Partnership (RLP), OCLC

OCLC support and professional development

- *Practitioners* skilled to implement
- *Managers* understanding opportunities
- *Leaders* recognizing priority



OCLC Active Learning

- [WebJunction Course Catalog](#)
- [OCLC Research Library Partnership Metadata Managers Focus Group](#)
- [OCLC Community Center](#)

The screenshot shows the OCLC Community Center homepage. At the top, there is a navigation bar with the OCLC logo and the text "Community Center". Below this, there are links for "Communities", "Enhancements", "Global Release Calendar", and "Member Directory". The main heading is "Welcome to the OCLC Community Center". Below the heading, there are four bullet points: "Connect with community peers", "Collaborate, ask questions and gain insights", "Contribute and share ideas to improve products", and "Stay on top of and discuss OCLC announcements". There are three social media icons (Facebook, Twitter, LinkedIn). Below this is a "Communities" section with a grid of categories: "Developers" (OCLC Developer Network, Discovery & Reference, WorldCat Discovery Framework), "Library Management" (WorldShare Acquisitions, WorldShare Analytics, WorldShare Circulation, WorldShare License Manager, Ezproxy, GreenScape and Shared Print), "Metadata Services" (Cataloging and Metadata, WorldShare Collection Manager, WorldShare Record Manager, WorldShare CONTENTS), and "Resource Sharing" (WorldShare Interlibrary Loan, Tripsa, Special, COVID-19 and Libraries). At the bottom, it says "This list will be expanded as community spaces become available for other OCLC products."

The screenshot shows the WebJunction Course Catalog page. At the top, there is a navigation bar with the WebJunction logo and the text "WebJunction". Below this, there are links for "Research Areas", "Partnership", "People", "News & Events", "Publications", "Presentations", and "About". The main heading is "WebJunction Course Catalog". Below the heading, there is a large graphic with a play button icon and the text "All new learners need to create a new account. Select 'Log In' at the top right of this page, and then 'Create new account.' Once you've created your new account, explore the catalog of library-focused self-paced courses and webinars. Certificates of completion will be available to you after you have completed any course or webinar." There are several icons representing different course topics like a play button, a lightbulb, a gear, and a document.

Welcome to the WebJunction Course Catalog. Library-specific courses and webinar recordings are available for free to all library actors and volunteers. Through the generous support of OCLC and many other library agencies across the US, WebJunction provides timely and relevant training content for you to access anytime, from anywhere.

The screenshot shows the OCLC Community Center "Cataloging and Metadata" page. At the top, there is a navigation bar with the OCLC logo and the text "Community Center". Below this, there are links for "Communities", "Enhancements", "Global Release Calendar", and "Member Directory". The main heading is "Cataloging and Metadata". Below the heading, there are three social media icons (Facebook, Twitter, LinkedIn). Below this is a "Cataloging and Metadata" section with a grid of categories: "Community Home", "Discussions", "News", "Events", and "Support & Training". There are three featured articles: "Still repeating on", "Maximizing your investments in OCLC services (7 April)", and "OCLC Community In Switch to Record Ma [recording]".

The screenshot shows the OCLC Research Library Partnership Metadata Managers Focus Group page. At the top, there is a navigation bar with the OCLC logo and the text "OCLC Research". Below this, there are links for "Research Areas", "Partnership", "People", "News & Events", "Publications", "Presentations", and "About". The main heading is "OCLC Research Library Partnership Metadata Managers Focus Group". Below the heading, there is a large graphic with a play button icon and the text "The OCLC Research Library Partnership Metadata Managers Focus Group is comprised of representatives from 62 Partners in eleven countries who are very interested in engaging with other OCLC Research Library Partners on issues of common concern. This focus group offers an opportunity to engage with peers in OCLC Research Library Partner institutions who are responsible for creating and managing metadata." There are several icons representing different course topics like a play button, a lightbulb, a gear, and a document. Below this is a "Publications" section with a grid of categories: "Transitioning to the Next Generation of Metadata" by Karen Smith-Vothman.

Transitioning to the Next Generation of Metadata
By Karen Smith-Vothman
Transitioning to the Next Generation of Metadata synthesizes six years (2015-2020) of OCLC Research Library Partnership Metadata Managers Focus Group discussions and what they may mean for the next generation of metadata.



Expectations and questions around the Shared Entity Management Infrastructure

Expectations and questions

- OCLC's platform is expected to help **connect or even integrate collections** internally and externally

“... this project is really going to transform the way we work. It will mean that we're able to connect our metadata with our partner institutions, it will mean that medieval manuscripts will no longer be in this walled garden.”

[First English session]

- A solution for multilinguality
- A platform for building national infrastructures
- Questions: Functionality, Data ownership, Governance, Business Model

#OCLCmetadataseries



John Chapman

Senior Product Manager, Metadata
Services, OCLC

Shared Entity Management Infrastructure

Basics:

- Entity data published on the web as linked open data (CC-BY)
- Subscription access for editing and API use
- Shared system; OCLC staff responsible for some quality and maintenance tasks

Shared Entity Management Infrastructure

Goals:

- Address infrastructure needs identified by libraries
 - Stand behind entity URIs
 - Expand on “native” metadata management
 - Link library data to non-library data... and shared data to local data
- Operate sustainably, at scale, and complement other efforts
- Deliver December 2021

Shared Entity Management Infrastructure

What's next?

- Exploring multilingual approaches
- Emphasizing quality
- Integration with other services and applications

Shared Entity Management Infrastructure

Let's continue the work together!

- Determining cooperation and efficient use of resources
- Coexistence of shared environments and regional , national “domains”

QUESTIONS

CLOSING REMARKS



Implementing Sustainable Development Goals in my library

14 April, 14:00 – 15:00 CET

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oc.lc/emearc21

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