Track 3 – Library Services
G. Connecting Regions with Global Impact

The National Bibliographic Knowledgebase
Syndeo Regional Metadata Services

Neil Grindley, Head of Resource Discovery, Jisc
Axel Kaschte, Product Strategy Director, OCLC
The National Bibliographic Knowledgebase

NEIL GRINDLEY, HEAD OF RESOURCE DISCOVERY, JISC
Does 4 things...

Network & Technology: Providing and developing a network infrastructure and related services that meet the needs of the UK research and education communities.

Digital Resources: Supporting the provision and management of digital content for UK education and research.

Advice & Engagement: Our network of national and regional teams provide local engagement, advice and support to help you get the most out of our service offer.

Research & Development: Our R&D work, paid for entirely by our major funders, identifies emerging technologies and develops them around your particular needs.
Advice, guidance, technical support, quality assessment and new service development
Current Jisc Investments

Transforming our library support services
Developing a more effective, efficient and cohesive set of library services

National bibliographic knowledgebase
We're building a new UK-wide service to help libraries collaboratively manage their collections and improve access to print and digital resources

Started 1 May 2016
Budget: £250k to £1m
Expected outcome: Service development

We're using the latest digital technologies to create a national bibliographic knowledgebase

https://www.jisc.ac.uk/rd/projects/national-bibliographic-knowledgebase

https://www.jisc.ac.uk/rd/projects/transforming-library-support-services
What is the National Bibliographic Knowledgebase?

The National Bibliographic Knowledgebase (NBK) will aggregate bibliographic data at scale and link with a number of other data sources to inform library collection management decisions and to help users more effectively find, access and use print and digital scholarly resources.
Brief NBK Status Update

Identifiers

Standards

Community Engagement

Advice & Guidance

Quality Assurance

Circulation Data

Usage & Analytics

Demand Information

Enhanced Collection Management

Better Data Accessibility

Better Version Tracking & Linking

Better Digital Access

More Effective Metadata

From a library

From a publisher

From the Web

From a repository

Jisc
<table>
<thead>
<tr>
<th><strong>In numbers</strong></th>
<th><strong>Beta resource discovery interface</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>60</strong> datasets sent to OCLC</td>
<td>▶ Launched at the Jisc Community Data Groups event, Feb 13</td>
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<tr>
<td><strong>43</strong> institutions loaded onto the NBK</td>
<td>▶ For contributing libraries to check data</td>
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<tr>
<td><strong>108</strong> institutions agreed to contribute</td>
<td><strong>Community Data Groups</strong></td>
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<tr>
<td></td>
<td>Jisc-funded community groups to address issues around data needs, workflows, and quality</td>
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Library progress: NBK libraries so far (Feb 2018)

» British Library
» University of Oxford
» National Trust
» University of York (includes York Minster, National Railway Museum)
» University of Leicester
» University of Manchester
» Trinity College Dublin
» University of Sheffield
» Senate House Libraries (includes Bibliographical Society Library, Heythrop College, Institute of Advanced Legal Studies, Institute of Classical Studies, Institute of Historical Research, Wallace Collection, Warburg Institute)
» University of Glasgow
» SOAS
» Royal Asiatic Society
» Wellcome Trust
» National Portrait Gallery
» LSE

» Queen Mary, University of London
» Bishopsgate Institute
» Northumbria University
» University of Exeter
» Institute of Mechanical Engineers
» University of Leeds
» University of Aberdeen
» Royal College of Music
» University of Bristol
» University of St Andrews
» Cardiff University (includes NHS Wales libraries)
» University of Edinburgh (includes Royal Observatory of Edinburgh)
» Institute of Ismaili Studies
» Hathi Trust
» Sheffield Hallam University
» Society of Friends
» Bangor University

» University of South Wales
» Aberystwyth University
» University of Swansea
» Birkbeck, University of London
» Science Museum
» London Metropolitan University
» Glyndwr University
» University of Liverpool
» British School at Rome
» Cardiff Metropolitan University
» University of Wales, Trinity Saint David
» National Gallery
» National Museums, Scotland
» Saint George’s Chapel, Windsor
» University of Sussex
» Royal Holloway, University of London
<table>
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<tr>
<th>Library progress: upcoming NBK libraries</th>
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<tbody>
<tr>
<td>University of Salford</td>
</tr>
<tr>
<td>Queens University, Belfast</td>
</tr>
<tr>
<td>Royal Welsh College of Music and Drama</td>
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<tr>
<td>The National Archives Library</td>
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<tr>
<td>National Library of Wales</td>
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<tr>
<td>University of Southampton</td>
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<tr>
<td>University of Birmingham</td>
</tr>
<tr>
<td>City University</td>
</tr>
<tr>
<td>University of the Arts, London</td>
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<tr>
<td>Royal Academy of Music</td>
</tr>
<tr>
<td>Royal College of Nursing</td>
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<tr>
<td>University of Stirling</td>
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<tr>
<td>University of Portsmouth</td>
</tr>
<tr>
<td>Imperial College, London</td>
</tr>
<tr>
<td>University of Hull</td>
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<tr>
<td>University of Essex</td>
</tr>
<tr>
<td>Cranfield University</td>
</tr>
<tr>
<td>University of Reading</td>
</tr>
<tr>
<td>Winchester College</td>
</tr>
<tr>
<td>Natural History Museum</td>
</tr>
<tr>
<td>National Museum of Wales Library</td>
</tr>
<tr>
<td>Durham University</td>
</tr>
<tr>
<td>National Library of Scotland</td>
</tr>
<tr>
<td>University of Dundee</td>
</tr>
<tr>
<td>Chetham’s Library</td>
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<tr>
<td>Royal Botanic Gardens, Kew</td>
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<tr>
<td>Newcastle University</td>
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<tr>
<td>Manchester Metropolitan University</td>
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<tr>
<td>Aston University</td>
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<tr>
<td>Bishop Grosseteste</td>
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<tr>
<td>University of East Anglia</td>
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<tr>
<td>Sainsbury Institute for the Study of Japanese Art and Cultures</td>
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<tr>
<td>Staffordshire University</td>
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<tr>
<td>Courtauld Institute</td>
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<tr>
<td>University of Westminster</td>
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<tr>
<td>UCL</td>
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<tr>
<td>University of Falmouth</td>
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<tr>
<td>Henry Moore Institute</td>
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<tr>
<td>University of Surrey</td>
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<tr>
<td>French Institute</td>
</tr>
<tr>
<td>Rothamstead</td>
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<td>Historic England</td>
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Who can contribute?

In scope

✓ All UK HE libraries
  ✓ Including those who don’t currently contribute to Copac/SUNCAT
✓ Selected specialist/research libraries
  ✓ Including those that do currently contribute to Copac/SUNCAT, plus others by application
✓ Open Access collections
  ✓ Including Hathi Trust, DOAB/OAPEN, OA articles from Zetoc
✓ OA publishers: NUPs and ALPs

Out of scope

✗ Public libraries (some exceptions: BL, NLS, NLW, Glasgow, Manchester)
✗ FE libraries (enquiries welcome)
✗ Non-UK libraries (some exceptions: Trinity College Dublin)
Beta Data Trial Interface

https://nbkbeta.copac.jisc.ac.uk


2. + An Artist and his Fees. The story of the suit brought by Ozius Humphry, R.A., against Sir John Macpherson in the Supreme Court at Calcutta in March, 1787 ... Reprinted from Bengal Past and Present. [With plates.] Cotton, Evan, Sir. 1858-1939. / 1927 / 19 p. ; 4º. General characterization: text; unmediated; volume.

3. "Life and works of Ozius Humphry, R.A. / by George C. Williamson. Williamson, George Charles. 1858-1942. / London : John Lane, the Bodley Head, 1918. / xx ; 329 p. ; 85 leaves of plates : ill. (some col), facsims. ports. ; 30 cm.


7. "HUMPHRY, OZIAS, 1742-1810
NBK is an engagement programme

Service Transition: copac, LMS: Alma, Kuali, Data supply: BDS, nielsen, Standards: Crossref, NISO, Collections: ccm, GreenGlass


Serials: SUNCAT, Identifiers: ISSN 1511-3701, UDI: 771511720284

High quality current library data is critical to the success of the NBK.
Trustworthy data

- Data driven collection management
- Increased interoperability
- More effective discovery
- Better prospects for collaboration
- More efficient resource description
- Saving time & money
The aim is:

To support community groups to tackle challenges around the quality and efficiency of library data and for the groups to create helpful resources that can be re-used by the rest of the sector.

The detailed objectives are:

• To agree a set of structured challenges
• To form effective groups to undertake short projects that address the challenges
• To work collaboratively between groups and with NBK staff to design and deliver projects
• To design and develop resources that will help libraries to improve the quality and efficiency of library data

(Resources might be defined as: tools, scripts, code, models, workflows, processes, exemplars, use cases, advice and guidance)
Thank you

The National Bibliographic Knowledgebase

Neil Grindley, Head of Resource Discovery, Jisc
Introducing Syndeo
OCLC’s new suite of regional metadata services

DR. AXEL KASCHTE, PRODUCT STRATEGY DIRECTOR, OCLC EMEA
What if international libraries were able to work within their region as they have always done…

...AND...

...at the same time connect with libraries globally to create a huge network of shared knowledge for all to see?
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The Evolving role of WorldCat in a global environment
Community, Innovation, Technology:
Fifty Years of Sharing Knowledge

1967  July 6, OCLC founded

1971  First book cataloged online by Ohio University Central database used to print catalog cards

1979  Interlibrary Loan online system
Community, Innovation, Technology:
Fifty Years of Sharing Knowledge

198x  OCLC expands metadata services to **EMEA** and **APAC**

1991  **First Search**: Web searching of library catalogs

2006  **WorldCat.org**: Free public web searching of library material

2011  **WorldShare**: New cloud technology for a full library service platform
Library cooperation at every level

Sharing always creates better quality of service at lower costs.
A global network – on each level

AGGREGATE

OPERATE

INFRASTRUCTURE
Metadata Infrastructure is both…
• The technology to store and manage metadata centrally for a group
• The network of relationships with partners and services in that process
OCLC infrastructure is unique

OCLC Infrastructure is **global, independent, and open**

And others…

Publishers / Aggregators

Catalogers

And others…
Regional perspective
GLOBALIZATION DOES NOT MEAN HOMOGENIZATION

Globalization happens by opening up to the essential differences in the world and integrating them into one global platform.
Infrastructure Evolution

- Evolve local workflows
- Better efficiencies
- Greater visibility
Regional metadata management differs

Regional Metadata Management Practices
• Regional metadata management model
• Regional metadata format (e.g. UNIMARC)
• Regional metadata format extensions
• Regional collections
• Regional quality control

Regional Authority File Management
• National or regional authority files (e.g. French)

Regional Metadata Hub
• Metadata aggregation (e.g. Jisc)
• Metadata mass changes on large scale
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Tailor made solution for each region
Syndeo

Evolve regional metadata practices

and

Connect with libraries globally
Cooperation within region

- Support standards, authorities and formats
- Offer functionality that supports ‘in-region’ library activities
- Provide an accurate record of the collective holdings of a region or country
Connecting existing CBS partners to WorldCat and WorldShare

- GBV, BSZ, Hebis Germany
- ABES France
- Libraries Australia
- National Library Germany & Netherlands
- Jisc UK
Examples
BAC-LAC

Components

- WorldCat Cataloging tools incl. National Authority File
- WorldShare Acquisitions & Circulation
- WorldCat Discovery
- WorldShare Interlibrary Loan

Regional specific:
National authority file Canadiana
- Available during cataloging and
- Maintained in the same system
UK National Bibliographic Knowledgebase
Jisc (UK)

Components
- WorldCat.org visibility
- Regional Catalog (CBS)

Objectives
- Aggregates metadata at scale & de-duplicate
- Increase visibility of library collections
- Build foundation for shared print initiatives

Regional specific:
Aggregate national metadata with full governance of quality and merging rules
French National Infrastructure
ABES (France)

Components

- WorldCat.org visibility
- Regional Catalog (CBS)

Objectives

- Primary cataloging for all academic institutions, using UNIMARC
- Global visibility of library collections and resource discovery

Regional specific:
Primary cataloging using UNIMARC format
### OCLC – Regional Metadata Hubs

<table>
<thead>
<tr>
<th>Organization</th>
<th>main function</th>
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<tbody>
<tr>
<td>GGC / CBS Netherlands *</td>
<td>Central Cataloging</td>
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<tr>
<td>German Hubs</td>
<td>Central Cataloging</td>
</tr>
<tr>
<td>- GBV, BSZ, Hebis</td>
<td>Central Cataloging</td>
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<tr>
<td>- German National Library</td>
<td>Central Cataloging</td>
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<tr>
<td>- Saxony-OPAC *</td>
<td>Aggregated Catalog</td>
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<tr>
<td>National Library Australia</td>
<td>Central Cataloging</td>
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<tr>
<td>SwissBib, Switzerland</td>
<td>Aggregated Catalog</td>
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<tr>
<td>French hubs</td>
<td>Aggregated catalog</td>
</tr>
<tr>
<td>- ABES</td>
<td>Central Cataloging</td>
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<tr>
<td>- BnF - National Library *</td>
<td>Aggregated Catalog</td>
</tr>
<tr>
<td>UK hubs:</td>
<td>Aggregated Catalog</td>
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<tr>
<td>- JISC (academics) *</td>
<td>Aggregated Catalog</td>
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<tr>
<td>- Unity UK (publics) *</td>
<td>Aggregated Catalog</td>
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<tr>
<td>Spain: Complutense *</td>
<td>Authorities cataloging</td>
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<tr>
<td>ISNI *</td>
<td>Central Cataloging</td>
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* Hosted by OCLC
Open up further regions to make use of the advantages of:

WorldShare®

WorldCat®
Are your libraries connected to the global knowledge network?

Breakthroughs rely on continuous sharing. Libraries have collaborated for decades to OCLC is leading the way in developing a

www.are-you-connected.org

One global infrastructure  
Enable breakthroughs anywhere  
Share what makes your library great  
Orchestrating a vision  
Raising the profile of a region’s culture

DOWNLOAD REPORT
Thank you

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