First movers
British Library: a national library implementation

Alan Danskin
Collection Metadata Standards Manager

In April 2013 the British Library implemented RDA

The British Library implemented RDA 1st April 2013

…but, we did not implement FRBR…

…and we still haven't…

Today's Presentation

Updating 2014 presentation

- What we did

- What we learned

- What's changed

- What lies ahead?

RDA: Implementation and Application

British Library Perspectives
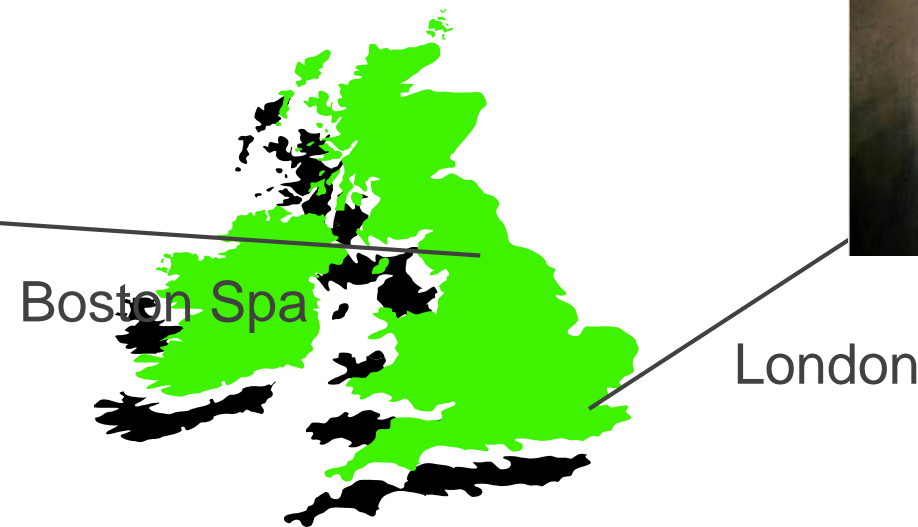
Alan Danskin

EURIG 2014, Vienna

British Library

The National Library of the United Kingdom

1,500 staff operating on two sites (FTE)

2013: 121 cataloguers (full and part time) trained

2018: 140 RDA Toolkit profiles (includes non-cataloguers)

Boston Spa

London

RDA in the UK and Ireland

Bibliographic Data Services (BDS) 2012

Legal Deposit Libraries implemented 2013-2014

- British Library
- National Library of Scotland
- National Library of Wales
- Bodleian Library, University of Oxford
- Cambridge University Library

+

- Trinity College Dublin (Republic of Ireland)

Currently 206 users in UK + 54 in Republic of Ireland

Scope of BL's RDA Implementation

SYSTEMS Functions	Aleph Cataloguing & Acquisitions
Content Type	**Published** Books, Serials, Maps Scores
Description	**RDA** DCRM ISBD
Name authority	**LC/NACO**
Subject	**LCSH/FAST**
Encoding	**MARC 21**
Tools	**RDA Toolkit** Cataloger's Desktop Macro Express WebDewey MARC Report FRBRQM

Scope of BL's RDA Implementation

BRITISH LIBRARY

SYSTEMS Functions	Aleph Cataloguing & Acquisitions	Integrated Archives and MSS System (IAMS) Cataloguing
Content Type	**Published** **Books, Serials, Maps** **Scores**	Unpublished Archives MSS
Description	**RDA** **DCRM** **ISBD**	ISAD(G) TEI
Name authority	**LC/NACO**	
Subject	**LCSH/FAST**	
Encoding	**MARC 21**	EAD/TEI
Tools	**RDA Toolkit** **Cataloger's Desktop** **Macro Express** **WebDewey** **MARC Report** **FRBRQM**	Altova Oxygen

Scope of BL's RDA Implementation

SYSTEMS Functions	Aleph Cataloguing & Acquisitions	Integrated Archives and MSS System (IAMS) Cataloguing	Sound an Moving Image (SAMI) Cataloguing, Discovery
Content Type	Published Books, Serials, Maps Scores	Unpublished Archives MSS	Sound recordings Video recordings
Description	RDA DCRM ISBD	ISAD(G) TEI	AACR2/Local
Name authority	LC/NACO		Local
Subject	LCSH/FAST		Local
Encoding	MARC 21	EAD/TEI	SAMI MARC
Tools	RDA Toolkit Cataloger's Desktop Macro Express WebDewey MARC Report FRBRQM	Altova Oxygen	Metable

BRITISH LIBRARY

RDA Staged Implementation

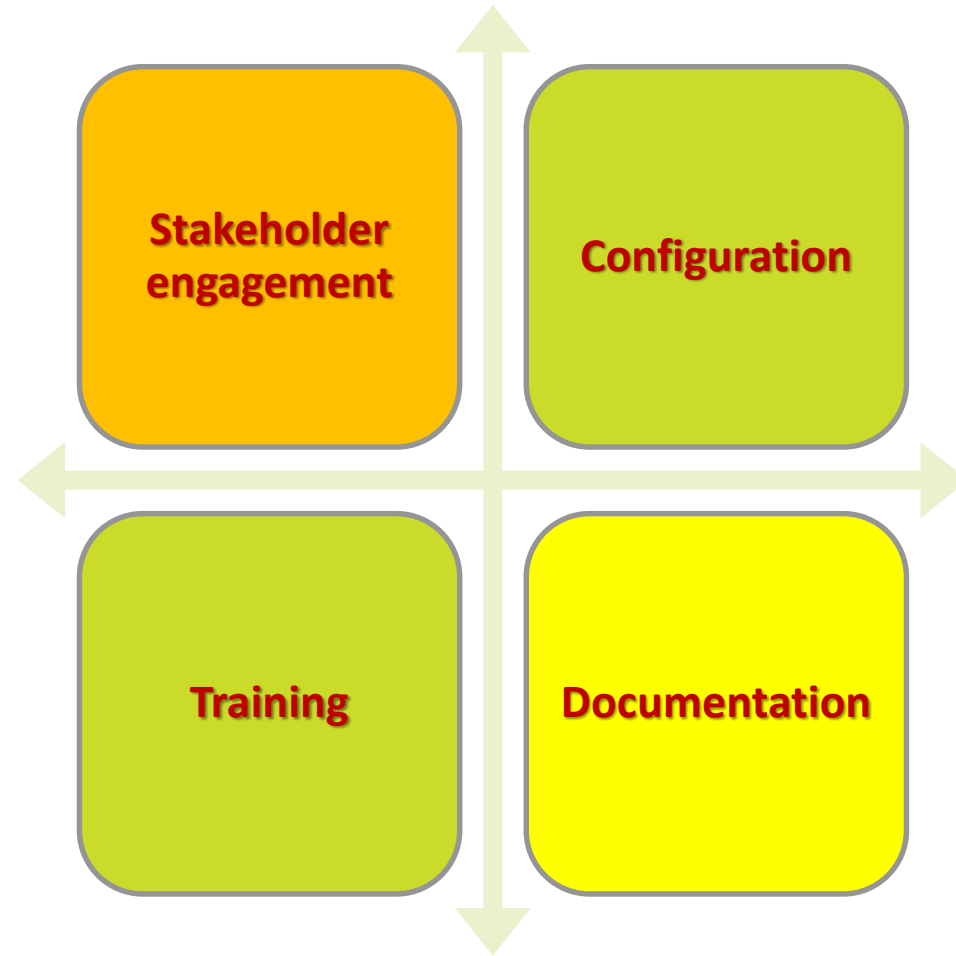**2011**
- Consume RDA Records
- Configuration

2012
- NACO Contribution transition to RDA
- Cataloguing in Publication (BDS)

2013
- Cataloguer training (Q1)
- Implementation 1/4/2013

Implementation Summary

RDA Implementation Summary

Business case

Suppliers

Customers

Staff

Aleph

MARC Report

Macros

Batch Upgrade

Import/Exports

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227 staff trained

953 person days

Training

Policies

Procedures

Workflows

Productivity Impact

% Items processed	2013-2014 (to Feb)	2012-2013	2011-2012
All Print	104%	100%	103%
All Digital	90%	84%	107%

Comparative snapshot

Measure	Post RDA (October 2013)	Pre RDA (October 2012)
Cataloguing Daily Rate	10.41	10.66
Copy Cataloguing daily rate	39.09	39.02
Team Authority Control %	33% (reduced back to 20%)	20%

Current comparisons are difficult, because there have been so many other changes

Cataloguer training

Principles and changes from AACR2

Introductory

FRBR/ RDA Seminar (2 hours)

Toolkit 2 hours

RDA Training:

6 modules over 5 days

classroom and hands on practice

RDA Review (5-10 days)

+ additional sessions

RDA Training for other staff

Acquisitions, Copy Cataloguing, Finishing

- Job focused
- Classroom (2 sessions)
- Team based training
- Managers attended cataloguer training and have toolkit access

RDA **TOOLS** **RESOURCES**

+ **RDA: Element Set**

+ **RDA Mappings**

− **Examples of RDA Records (JSC)**
  MARC Encoding

− **Workflows**
  Create Workflow
  − Global Workflows
    Archival Collections
    audio
    BL Guide to RDA Name Authority
    Records
    BL Monograph WEMI Workflow
    BL Music WEMI Workflow
    BL Serial Workflow
    Braille fiction
    Braille music
    Cambridge Monograph Workflow
    Cambridge Serial Workflow
    Cataloging a print serial
    CLP: RDA at the Carnegie Library of
    Pittsburgh
    CONSER RDA Cataloging Checklist for
    Textual Serials (DRAFT)
    GCelectronicres
    GSLIS UIUC Cartographic Resources
    (Bothmann)
    LC Staff: Adding Attributes For Persons
    with Surnames and Given Names
    LC Staff: Simple Book (MARC)
    LC Staff: Simple Book
    LC Staff: Simple Multipart Book (MARC)
    LC Staff: Simple Multipart Book

WORKFLOW

BRITISH LIBRARY

MONOGRAPH WEMI WOR

(Last updated 17.01.14, Aligned with RDA Update November

◆

Contents

Special topics policy documents

Other useful documents and links

Non RDA elements index

Manifestation index

Work index

External RDA Training

UK

Overseas

"RDA in a Day"

- LRM
- RDA Primer
- RDA Toolkit
- MARC 21 & RDA
- Record Creation
  - RIMMF
  - Template

Community needs

- No commercial trainers
- Tight budgets
- Time limited
- Practical
- Limited capacity

Delivered in collaboration with CILIP Cataloguing & Indexing Group

- University of Amsterdam
- National Library of Iceland
- Council of the European Union Libraries
- Egyptian Knowledge Bank

Legacy Data

Hybrid records are a fact of life

Long term enhancement:
- Content, media & carrier types (DONE)
- Identification of works and expressions (IN PROGRESS)
- Enrichment of attributes (IN PROGRESS)

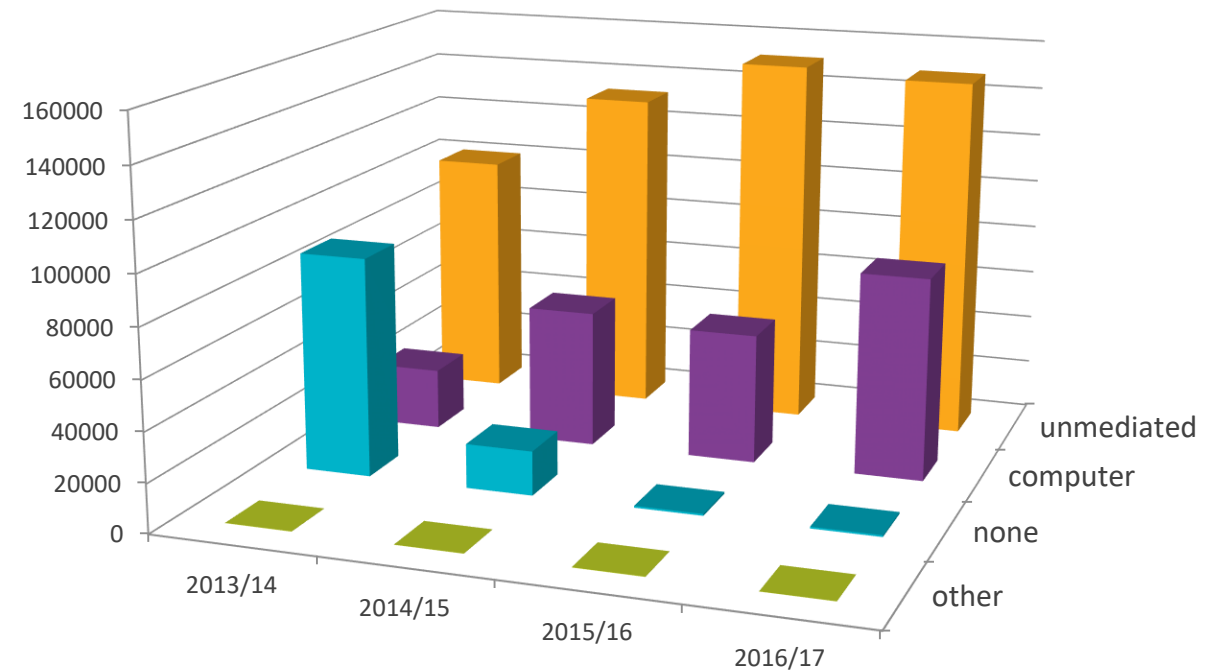# Content, Media & Carrier Type in Aleph

Added to 15m "legacy" records

Assigned to all new records

Analysis of data

Future:

Assign to all records for all media

**Media Type
By Production Year**

Implementation is only the beginning…

Major updates

Regular toolkit
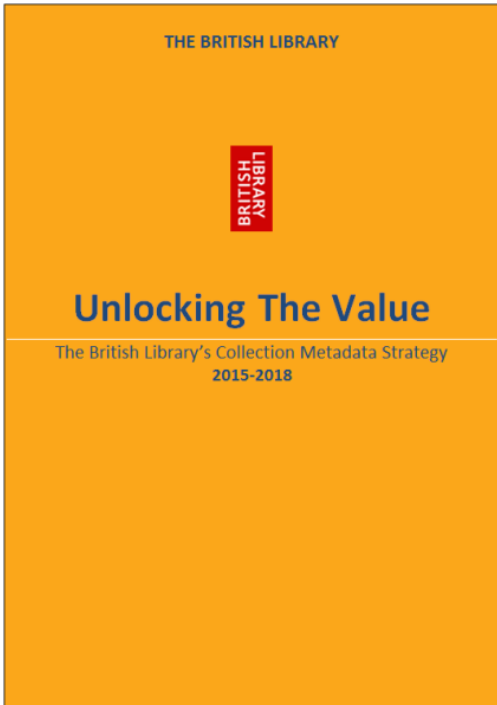 releases

3R

Review documentation

Issue summary

Revise workflows and policies

Advise staff

Training

Thankfully, *we* don't have to translate

Our Strategic Objectives

Legacy Challenges
   Silos
   Hidden metadata

New Challenges
   Non-print legal
   deposit Digitisation
   Scale

Ambitious

Inclusive

User focused

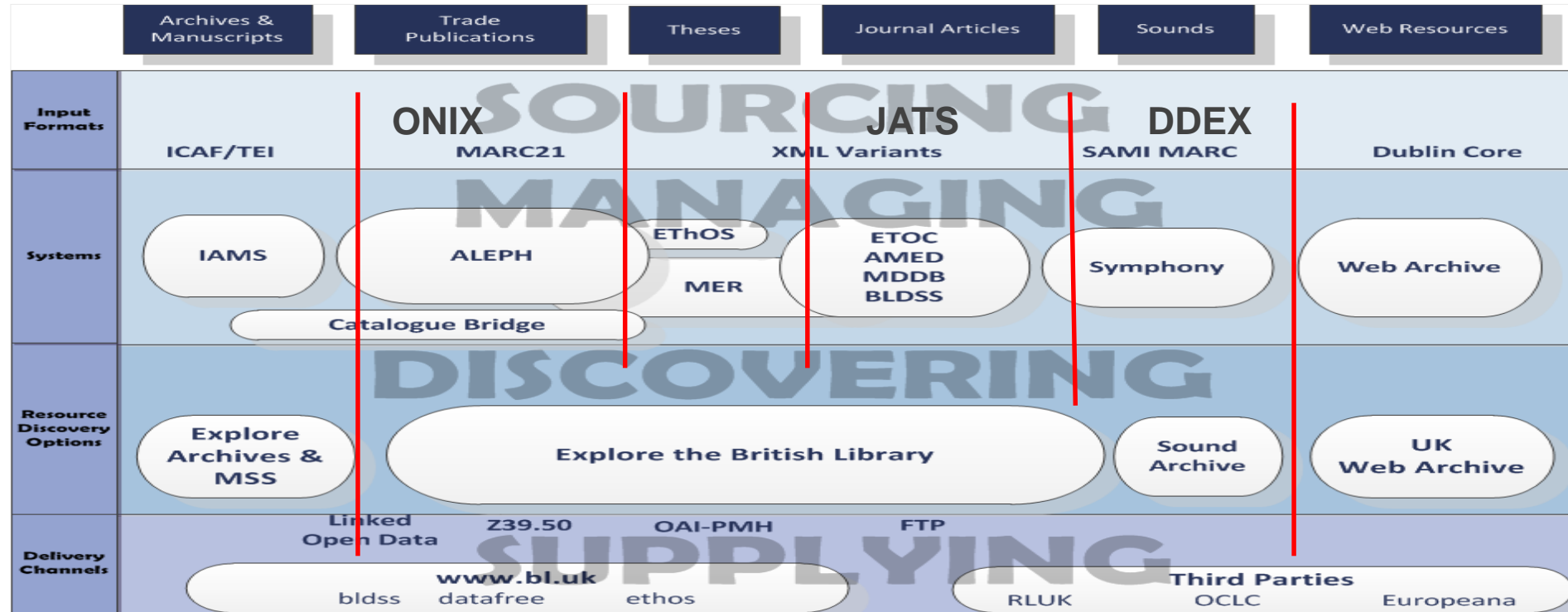| Heritage Made Digital	StP Transformed	Everybody Engaged	Boston Spa Renewed	Everything Available

Metadata Silos

- Inconsistent
- Complex
- Inflexible
- Costly
- Inefficient

Convergence on RDA?

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Mapping?

Mapping in progress

Legal Deposit Intake

	2012 /2013*	
Type	Print	E-media
Monographs	122,873	0
Serial Issues	199,782	0

Regulation introduced in April 2013 granted Library powers to claim non-print (including electronic) publications under Legal Deposit Act.

*British Library. *Annual Report and Accounts 2012/13*

Legal Deposit Intake

Type	2012 /2013*		2017/18**	
	Print	E-media	Print	E-media
Monographs	122,873	0	72,859	142,045
Serial Issues	199,782	0	120,221	105,795

Regulation introduced in April 2013 granted Library powers to claim non-print (including electronic) publications under Legal Deposit Act.
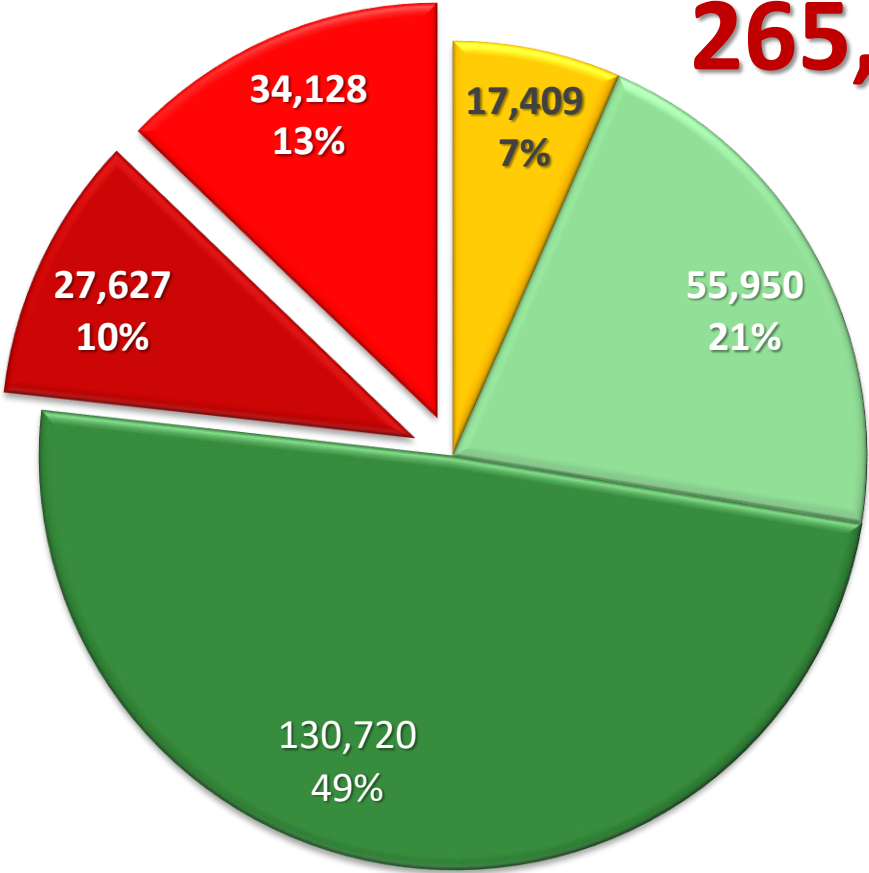
*British Library. *Annual Report and Accounts 2012/13*

** British Library. *Annual Report and Accounts 2017/18 (forthcoming)*

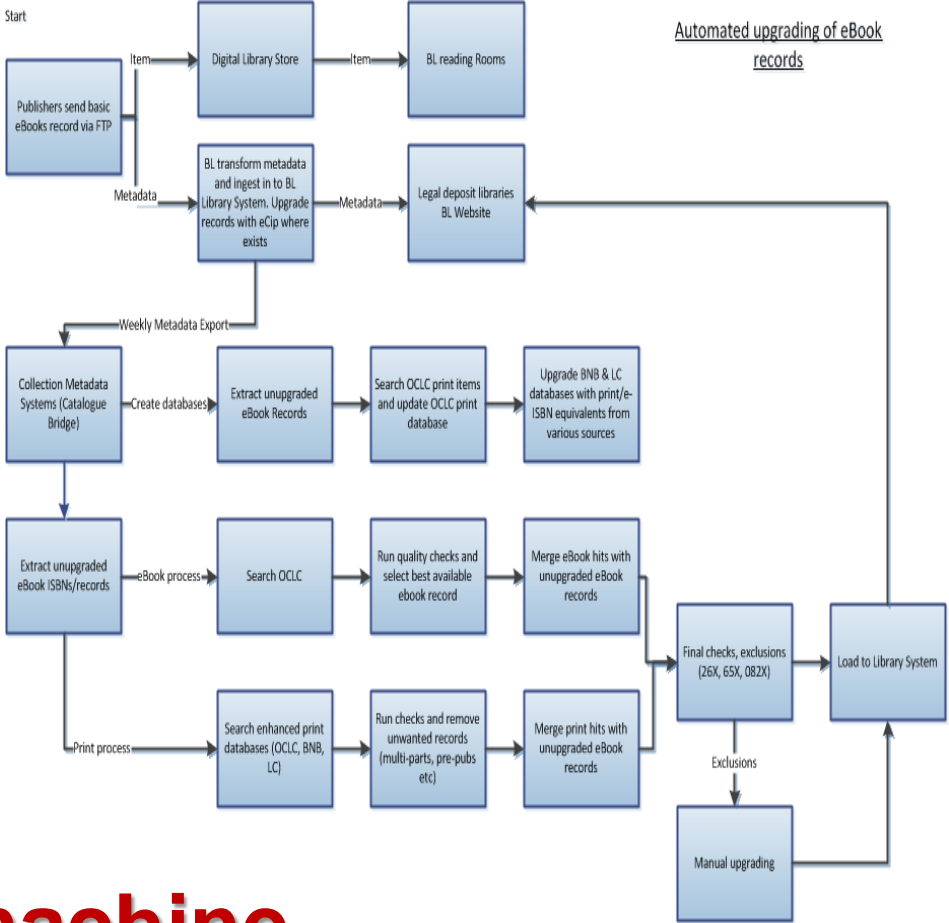www.bl.uk

Legal Deposit E-Book Records Upgraded
(04/04/18)

265,834 received

Pie chart data:
- 17,409 — 7%
- 55,950 — 21%
- 130,720 — 49%
- 27,627 — 10%
- 34,128 — 13%

Legend:
- Upgraded manually
- Upgraded via eCIP auto merge
- Upgraded by CM batch upgrade
- Un-upgraded no longer in BUP workflow
- Un-upgraded still in BUP workflow

70% upgraded by machine

Automated upgrading of eBook records (flowchart):

Start → Publishers send basic eBooks record via FTP — Item → Digital Library Store — Item → BL reading Rooms

Publishers send basic eBooks record via FTP — Metadata → BL transform metadata and ingest in to BL Library System. Upgrade records with eCip where exists — Metadata → Legal deposit libraries BL Website

BL transform metadata... — Weekly Metadata Export → Collection Metadata Systems (Catalogue Bridge) — Create databases → Extract unupgraded eBook Records → Search OCLC print items and update OCLC print database → Upgrade BNB & LC databases with print/e-ISBN equivalents from various sources

Collection Metadata Systems → Extract unupgraded eBook ISBNs/records — eBook process → Search OCLC → Run quality checks and select best available ebook record → Merge eBook hits with unupgraded eBook records

Extract unupgraded eBook ISBNs/records — Print process → Search enhanced print databases (OCLC, BNB, LC) → Run checks and remove unwanted records (multi-parts, pre-pubs etc) → Merge print hits with unupgraded eBook records

Merge eBook hits... → Final checks, exclusions (26X, 65X, 082X) → Load to Library System

Final checks, exclusions — Exclusions → Manual upgrading

Library System Transformation Programme

To build a suite of strategic systems and business processes that support both current and future BL services.

To enable the effective delivery of these services through simplified architecture and flexible solutions design

To radically reduce the time and effort required to build new capability

LS01: Digital Asset Management & Preservation System

LS02: Library Management System

LS03: Content and Data Transformation

TBC: Access Services

Looking ahead to 3R

Challenges

More publications

More media

Volatility

Improve services

Widen Engagement

Metadata Requirements

- Do more with less
  - Automation
  - Reuse of data
  - Identification of entities
- Convergence
  - Services
  - Systems
  - Standards

Dissemination

RDA + LRM

Conceptual framework

4-fold path

Granularity

Generic guidance

Internationalisation

Content & carrier

Extensibility

CIDOC/CRM + RDF

Thank you

alan.danskin@bl.uk