



City of Westminster

Clean Up and Put Up - How we refreshed our catalogue and made it visible on the Internet

Catherine Cooke

Westminster Libraries / Tri-Borough Libraries

- Tri-Borough Libraries
- Merging of Library Services of
 - Hammersmith & Fulham – 5 Libraries
 - Kensington & Chelsea – 6 Libraries
 - Westminster Libraries – 12 Libraries
- Service now covers 23 libraries – more comparable to a small county service than a London borough



- Deduplication early 2014
 - Post merger approximately 916,500 bibliographic records
 - Prioritize which record to use going forward – which was likely to be the highest quality
 - Largely by 020 ISBN –then checking title, publisher, pagination etc. to determine if duplicate
 - Any other requirements
 - Test and refine



- Deduplication early 2014
 - Differences in DVD material
 - (ISBN:501413860429) -- NON-MATCHING PAIRS
 - Title Control Key: a545182 Type/level: gm Material: VIDEODVD
 - Edition: Publisher: ENT Date: 2009 Pages: 000002
 - Author: Title: BEING HUMAN
 - : COMPLETE SERIES 1
 -
 - Title Control Key: a918330 Type/level: gm Material: VIDEODVD
 - Edition: Publisher: ENT Date: 2009 Pages: 002345
 - Author: Title: BEING HUMAN COMPLETE SERIES 1
 - Genuinely different editions
 - (ISBN:978000723343) -- NON-MATCHING PAIRS
 - Title Control Key: i9780007233434 Type/level: am Material:
 - Edition: Publisher: HAR Date: 2007 Pages: 000288
 - Author: LESSING DO Title: CLEFT
 -
 - Title Control Key: a1088345 Type/level: am Material:
 - Edition: Publisher: FOU Date: 2007 Pages: 000260
 - Author: LESSING DO Title: CLEFT



- Item Cat 1

- Used in WCC for statistics – most items had one
- LBHF had data we could convert to Item Cat 1 for a percentage of items
- RBKC did not use and had nothing we could convert
- Management like statistics broken down by detailed subjects
- BIC UKSLC very similar to WCC's own list – decided to convert to these and implement system-wide as far as possible



- UK Standard Library Categories
 - <http://www.bic.org.uk/51/e4libraries-subject-category-headings/>

Table 1.1 UK Standard Library Categories – Adult Non-Fiction – Subject

UKSL Category	Includes BIC codes beginning	UKSLC Code
General	GB Encyclopaedias / reference GP Research / information GTG General studies GTH Flags, symbols, emblems, logos GTN Institutions and learned societies	GEN
Libraries and Museums	GL Library and information science GM Museology and heritage studies	LIB
Skills for Life	VSL Adult literacy VSN Adult numeracy	SKI
English Language Training	EB ELT general and reference EL ELT learning ES English for specific purposes	ELT



- Plan A

- Obtain a mapping of Dewey class number to subject category
- Commission custom report to reset (or set) Item Cat 1 based on Dewey, which would be on most records
- There was no mapping available from BIC, BDS or the like
- Possibly create our own – quickly became obvious it's not that simple!



- Plan B

- BDS started sending UKSLC in MARC tag 650 from June 2014 so already available on newer records
- We use BDS Autoresponse to fetch and load MARC records from EDI Quotes and for general cataloguing
- BDS could provide UKSLC data for most titles published since January 2000
- Two-part Project
 1. BDS - Reload MARC records to get UKSLC data in MARC tag 650
 2. SirsiDynix - Custom report to take that data and map it into Item Cat 1 for all items on each title



- Part 1 – Reload MARC records
 - Working with BDS
 - Use standard Symphony report List Titles by creation date – printing ISBN 020 only
 - Edited that to remove prices, obviously invalid ISBNs etc.
 - BDS dropped daily in manageable chunks into Autoresponse
 - Catalogued by the normal EDI MARC fetch and load
 - First file loaded 25th August 2015; last 6th November 2015
 - In fact, ran right back to titles catalogued since 1987



- Part 1 – Reload MARC records
 - Did upgrade a number of older titles with very poor records

Label	Tag	Ind	Contents
key	001		9780829084777
Fixed field data	007		ta
ISBN	020		9780829084777 (pbk.) : (c)9 99
Cataloguing source	040		Peters
Derney class number	082	04	782.4216413
Personal Author	100	1	Blume, Jason.
Title	245	10	8 steps to songwriting success : (the comprehensive guide to writing and marketing hit songs) / (Jason Blume.
Edition	250	00	Import.
Publication info	260		[bBilboard.]c2008.
Physical description	300		262 p. : (c24) x 173 mm. 488 gm.
Summary	520		Offers guidance on writing and marketing a successful hit song.
Audience	521		Young People.
Held by	586		CHE NBN
Subject term	650	00	Music.
Subject term	650	00	Songs.
Subject term	650	00	Writing.
970	970	00	CNF
971	971	00	PETERC

Label	Tag	Ind	Contents
key	001		9780829084777
ISBN	020		9780829084777 (pbk.) : (c)9 99
Cataloguing source	040		StDuBD6(beng)cStDuBD6
Subject category	072	7	MUS(zukalc
Derney class number	082	04	782.4216413(222
Personal Author	100	1	Blume, Jason.
Title	245	10	8 steps to songwriting success : (the comprehensive guide to writing and marketing hit songs) / (Jason Blume.
Variant title	246	3	Six steps to songwriting success
Edition	250		Rev. & expanded ed.
Publication info	260		New York : [bBilboard.]c2008.
Physical description	300		xxi, 262 p. : (c24 cm.
General Note	500		This ed. originally published: 2004.
Summary	520	0	Innovative, practical & inspiring, '6 Steps to Songwriting Success' presents a surefire step-by-step approach to mastering the elements consistently found in hit songs. Jason Blume, a successful songwriter, has packed this book with all the information any budding songwriter could need.
Bibliography note	504		Includes bibliographical references and index.
Subject term	650	0	Popular music(pWriting and publishing
Subject term	650	7	Music (Zukalc)UNAUTHORIZED
Decorative subject	983	04	TRC AD88A13



- Part 2 – Map UKSLC to Item Cat 1
 - Custom report

Label	Tag	Ind.	Contents
▼ key	001		9781845631437
▼ ISBN	020		9781845631437 (pbk.) : c£12.99
▼ Cataloguing source	040		StDuBDS beng cStDuBDS
▼ Subject category	072	7	CRJ 2ukslc
▼ Dewey class number	082	04	363.2'2'092 223
▼ Personal Author	100	1	Johnson, Martyn.
▼ Title	245	10	What's tha up to nah? : bmore memories of a Sheffield bobby / cMartyn Johnson.
▼ Publication info	260		Barnsley : bW True Crime, c2011.
▼ Physical description	300		172 p., [8] p. of plates : bill., ports. : c24 cm.
▼ Summary	520	8	Martyn continues his stories about policing during the 1960s and 1970s. As with his previous volume the book is written from the heart, not so much nostalgia as a genuine feeling for the people, animals, places and history of Sheffield.
▼ Personal subject	600	10	Johnson, Martyn vAnecdotes.
▼ Subject term	650	0	Police zEngland zSheffield vAnecdotes.
▼ Geographic term	651	0	Sheffield (England) xSocial life and customs y20th century vAnecdotes. ?UNAUTHORIZED
▼ Subject term	650	7	Crime. 2ukslc ?UNAUTHORIZED
▼ Dewey class number	082	04	363.22092 223
▼ Held by	596		CEN



- Part 2 – Map UKSLC to Item Cat 1
- The new custom report will use the two files to populate item cat 1 based on the UKSLC entry in 650 / 655 where subfield 2 is either eflsh or ukslc.
 - icat1_from_icat1 - mapping the original item cat 1 value to the new value
 - icat1_from_subj - mapping the subject term by location to the item cat 1 entry



• Part 2 – Map UKSLC to Item Cat 1

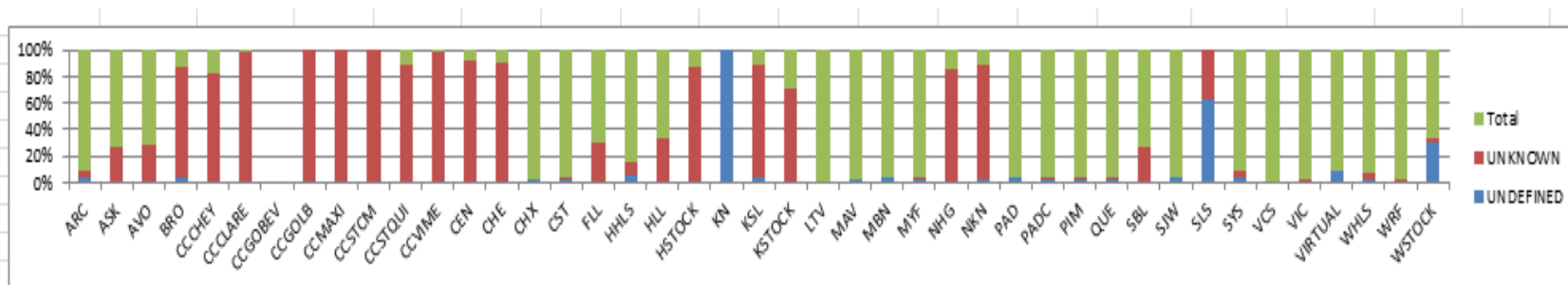
#Subject Term	Location	New Item Cat 1
Adventure		ADV
Adventure Fiction		ignore
Advice and Rights		ADR
Animal Stories		ignore
Animals		YAM
Antiques and Collecting		ANT
Antiques, collecting		ANT
Architecture and Planning		ARC
Art		YAR
Art and Design		ART
Basic Skills		SKI
Beauty and Fashion		BEA
Biography		BIO
Books for Babies		EB
Business and Management		BUS
Careers		CAR
Child Care		CHI
Childcare		CHI
Children's and Teenage Fiction - age level unknown		ignore
Children's and Teenage Non-Fiction - age level unknown		ignore
Classics		CLA
Computers and IT		COM

#Subject Term	Location	New Item Cat 1
Graphic novels		GRA
Graphic novels	13-19ZONE	YGR
Graphic novels	CCCHEY	YGR
Graphic novels	CCCLARE	YGR
Graphic novels	CCGOLB	YGR
Graphic novels	CCMAXI	YGR
Graphic novels	CCOPAIR	YGR
Graphic novels	CCSTCM	YGR
Graphic novels	CCSTQUI	YGR
Graphic novels	CCVIOLM	YGR
Graphic novels	CHILDRENS	YGR
Graphic novels	CHILDSTORE	YGR
Graphic novels	HOMEWORK	YGR
Graphic novels	LEARNSP	YGR
Graphic novels	SLS	YGR

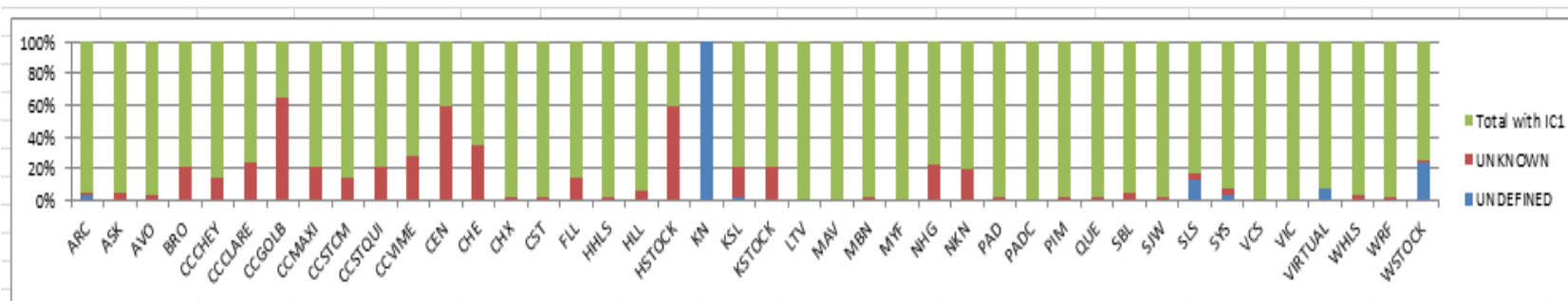


Part 1 – Reload MARC records

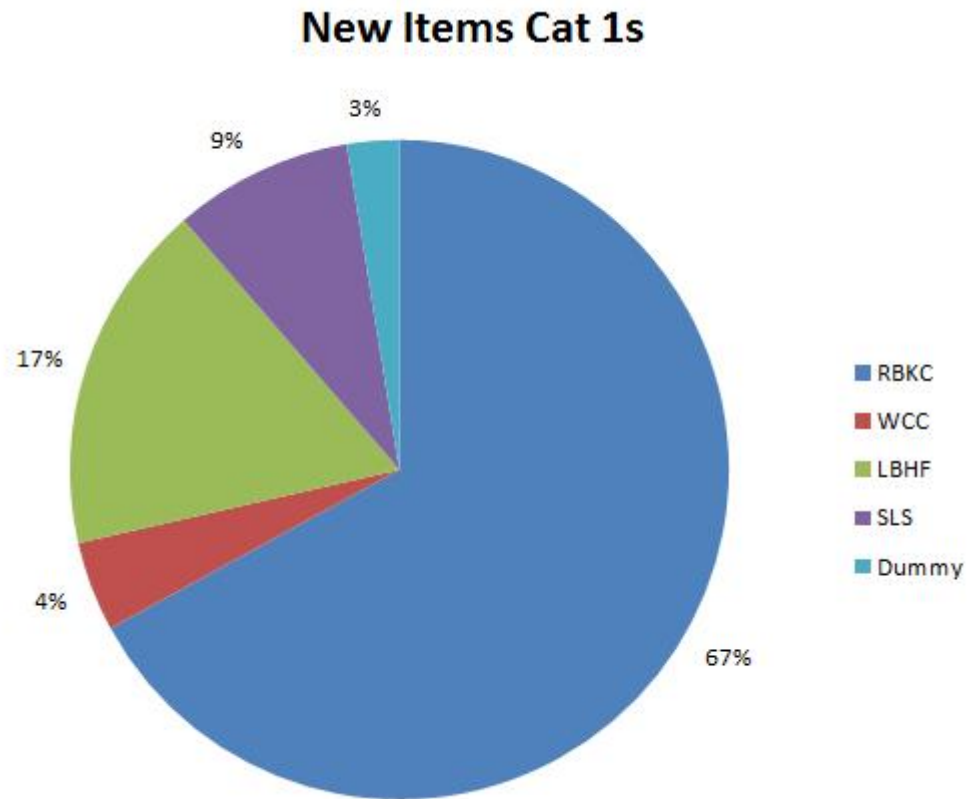
Before



After



- Part 1 – Reload MARC records



- BlueCloud Visibility
 - MARC designed for library catalogue in 1970s
 - Good for
 - Stock database
 - Catalogues
 - Record exchange
 - Downloading a definitive MARC record
 - Not good for the Internet
 - Search engines rely more on links and relationships between data elements and sites
 - New standard emerging
 - Linked Data
 - Bibframe from Zepheira



- BlueCloud Visibility
 - Taking a copy of the database
 - Convert it to Bibframe
 - Host it
 - Regular updates every two weeks
- The Google Generation
 - Only look for information using Google
 - Wikipedia as the font of all knowledge
 - Puts our libraries up there with Waterstones and Amazon



- **BlueCloud Visibility - Preparation**
 - Started early February 2016
 - Database copy taken - MARC bibliographic and authority records
 - No downtime involved
 - Analysis reports
 - Bibliographic database is the foundation of the library system
 - New harvesting agent



• BlueCloud Visibility - Analysis

- Records received:
721,000
- Deleted records:
28
- Records of unknown type:
15
- Bibliographic records processed:
720,957

Bibliographic records

COMMINFO	1
TECHRPT	1
MANUSCRPT	12
ILLLIB	14
SERIAL	217
FICTION	808
MAP	1,149
MRDF	1,356
CD	6,525
PRIN-MUS	7,354
CHINESE	11,299
VM	22,878
MUSIC	26,601
MARC	642,785

Total	721,000
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• BlueCloud Visibility - Analysis

i9787101061444	245	TTL-CAPS	<ESC>\$1'Q1!0!T2!3S!WJ<ESC>(B
i9787101061833	245	TTL-CAPS	<ESC>\$1!K2!3K!B{10<ESC>(B
i9787101064117	245	TTL-CAPS	<ESC>\$1!YE!0-I!(IX7<ESC>(B
i9787101072556	245	TTL-CAPS	<ESC>\$1'U-I:M<ESC>(B
i9787101072754	245	TTL-CAPS	<ESC>\$1!:W!:M<ESC>(B
i9787101077483	245	TTL-CAPS	<ESC>\$1!TJ!:M<ESC>(B
i9787101079029	245	TTL-CAPS	<ESC>\$1!3W!:M<ESC>(B
i9787102041445	245	TTL-CAPS	<ESC>\$1!=Y<ESC>(B<ESC>\$1'L6!JR!08<ESC>
i9787102043142	245	TTL-CAPS	<ESC>\$1!UEIY=<ESC>(B
i9787102043197	245	TTL-CAPS	<ESC>\$1'X!X8'V!EWF'F*!O5<ESC>(B
i9787102046457	245	TTL-CAPS	<ESC>\$1'X+'X0!WO'KG<ESC>(B
i9787102049779	245	TTL-CAPS	<ESC>\$1'HW!:R'?JIK)'CU';7<ESC>(B5500<ES
i9787102050614	245	TTL-CAPS	<ESC>\$1'44'L6!V*X+<ESC>(B
i9787102050607	245	TTL-CAPS	<ESC>\$1'V!X8'V!EWF'F*!O5<ESC>(B

Initials	009	II
ISBN	020	9787101077483
Language Code	041	chi
Category	089	CLA
Personal Author	100 1	6 880-01 a 方勇 ?UNAUTHORIZED
Title	245 10	6 880-02 a 荀子
Publication info	260	b 中华书局 c 2011
Physical description	300	



- **BlueCloud Visibility – Analysis**
 - Areas for improvement of work processes or staff training
 - Records which need correction or improvement
 - Determining if further projects such as authority processing or bibliographic cleanup are needed
 - Obsolete data accumulating in the database
 - Justification for funding requests for these
 - As evidence in newsletters, blogs, annual reports and so forth to show the breadth and depth of the collection



- BlueCloud Visibility – Set Up

The screenshot shows the 'Institution Management' interface for 'Charing Cross Library'. The left sidebar lists various libraries under 'LBHF - RBKC - WCC', with 'Charing Cross Library' selected. The main form is divided into two sections: 'General Information' and 'Address Information'.

General Information

- Institution ID: c2121b89-6290-4696-a337-389dc4ae11d3
- Institution Name: Charing Cross Library
- ILS Institution ID: CHX
- Phone Number: 020 7641 6200
- Email Address:
- Library URL: https://www.westminster.gov.uk/charing-cross-libran
- Locale: English (United Kingdom)
- Currency: United Kingdom Pound
- Web Services URL: TRIBILSVS

Address Information

- Country: UNITED KINGDOM
- Address: 4 - 6 Charing Cross Road
- City: London
- State: London
- Postal Code: WC2H 0HF
- Hours: Hours of Operation: Mo, 09:30-20:00; Tu, 09:30-19:00; We, 10:00-19:00

Buttons at the bottom: Save, Cancel, Delete.



• BlueCloud Visibility – Set Up

Leave the coordinate fields blank if you want the system to try to map them automatically from your address information. Or, see the section in the help on how to find and add your coordinates manually.

Latitude:

Longitude:

[Show On Map](#)

Discovery Platform

PAC type:

☐ BLUEcloud PAC

☒ Enterprise

Base URL:

Query Data:

Web browsers use your custom URL to locate items in your catalog. Your query data must include an {ID} tag that will be automatically replaced with a unique identifier for each record in your catalog.

☐ eLibrary

☐ HIP

☐ Custom

☐ None



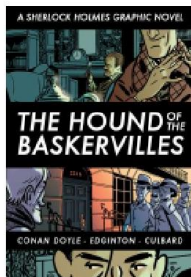
- **BlueCloud Visibility – Go Live**
 - First data harvest started Tuesday 16th February
 - Completed evening Friday 19th February
 - 49 represented physical location(s)
 - 662,997 transformed catalogue records
 - 4,440,324 linked data relationships created
 - Fortnightly monthly updates of data
 - Regular refreshes and updates of the linked data representation
 - Evolving as Web technologies and standards evolve



- **BlueCloud Visibility – Training**
 - Online, self-paced course from Zepheira
 - 10 seats
 - Module 1 History of the Web & Linked Data
 - Module 2 BIBFRAME Foundations
 - Module 3 BIBFRAME-Data Modelling Essentials
 - Module 4 Interacting with BIBFRAME Materials and Profiles via Zepheira Utilities
 - Module 5 Readiness Assessment, Change Management, and Governance



• BlueCloud Visibility – Training



Title: The hound of the Baskervilles

Author: Edginton, Ian.

ISBN: 9781906838003

Personal Author: Edginton, Ian.

Publication Date: 2009

Publication Information: London : SelfMadeHero, 2009.

Physical Description: 144 p. : chiefly col. ill. ; 25 cm.

Series: A Sherlock Holmes graphic novel

Series Title: A Sherlock Holmes graphic novel

Abstract: When Sir Charles Baskerville is found dead in his grounds, with a large animal footprint near his lifeless body, the locals are convinced that the hound is back. It is up to Sherlock Holmes and Dr Watson to uncover the truth and keep the new heir to Baskerville Hall safe from danger.

Subject Term: Holmes, Sherlock (Fictitious character) --

Comic books, strips, etc. -- Fiction.

Watson, John H. (Fictitious character) -- Comic books, strips, etc.

-- Fiction.

Genre:

Detective and mystery comic books, strips, etc.

Crime.

Graphic novels.

Added Author:

Culbard, Ian.

Doyle, Arthur Conan, 1859-1930.

Copies: 1

The work (noun) has title (verb) The hound of the Baskervilles (noun) bf:title

The work (noun) has author (verb) Ian Edginton (noun) bf:creator

The work (noun) has contributor (verb) I.N.J. Culbard (noun) bf:contributor

The work (noun) has statement of responsibility (verb) adaptor, Ian Edginton ; artist, I.N.J.

Culbard ; based on the novel by Sir Arthur Conan Doyle (noun) bf:responsibilityStatement

The work (noun) has genre (verb) graphic novels (noun) bf:genre

The work (noun) has genre (verb) crime (noun) bf:genre

The work (noun) has genre (verb) Detective and mystery comic books, strips, etc. (noun) bf:genre

The work (noun) has mode of issuance (verb) monograph (noun) bf:modeOfIssuance

The work (noun) has content type (verb) graphics and text (noun) bf:contentType

The instance (noun) has summary (verb) When Sir Charles Baskerville is found dead in his grounds, with a large animal footprint near his lifeless body, the locals are convinced that the hound is back. It is up to Sherlock Holmes and Dr Watson to uncover the truth and keep the new heir to Baskerville Hall safe from danger. (noun) bf:Summary

The work (noun) has language (verb) English (noun) bf:languageOfPart

The work (noun) is derived from (verb) The hound of the Baskervilles by Sir Arthur Conan Doyle (noun) bf:derivativeOf

The work (noun) has UKSLC subject (verb) Holmes, Sherlock (Fictitious character) Comic books, strips, etc. Fiction (noun) bf:subject

The work (noun) has UKSLC subject (verb) Watson, John H. (Fictitious character) Comic books, strips, etc. Fiction (noun) bf:subject

The work (noun) has UKSLC subject category (verb) CRM (noun) bf:subject

The work (noun) has UKSLC subject category (verb) GRA (noun) bf:subject

The work (noun) has instance (verb) the book-in-hand (noun) bf:instanceOf

The instance (noun) has title (verb) The hound of the Baskervilles (noun) bf:instanceTitle

The instance (noun) has place of publication (verb) London (noun) bf:providerPlace

The instance (noun) has publisher (verb) SelfMadeHero (noun) bf:providerName

The instance (noun) has date of publication (verb) 2009 (noun) bf:providerDate

The instance (noun) has format (verb) paperback (noun) bf:format

The instance (noun) has extent (verb) 144 pages (noun) bf:extent

The instance (noun) has illustrations (verb) illustrations (noun) bf:illustrationNote

The instance (noun) has dimensions (verb) 25 cm (noun) bf:dimensions

The instance (noun) has series title (verb) A Sherlock Holmes graphic novel (noun) bf:series

The instance (noun) has ISBN (verb) 9781906838003 (noun) bf:ISBN

The instance (noun) has DDC Classification (verb) 741.5 (noun) bf:classificationDdc

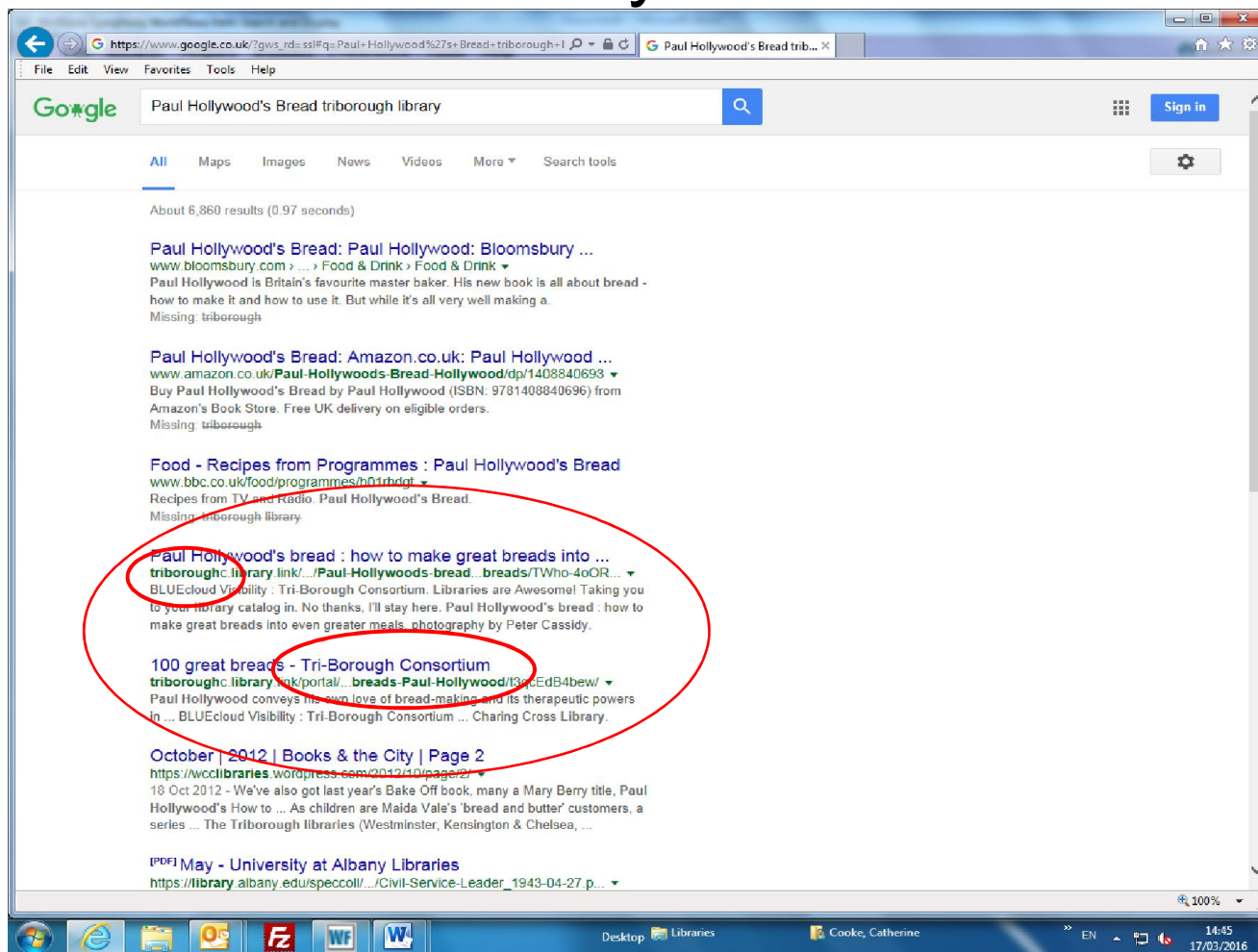
The instance (noun) has classification (verb) 819.1 (noun) bf:Classification

The instance (noun) has category (verb) FICTION GRA (noun) bf:Category

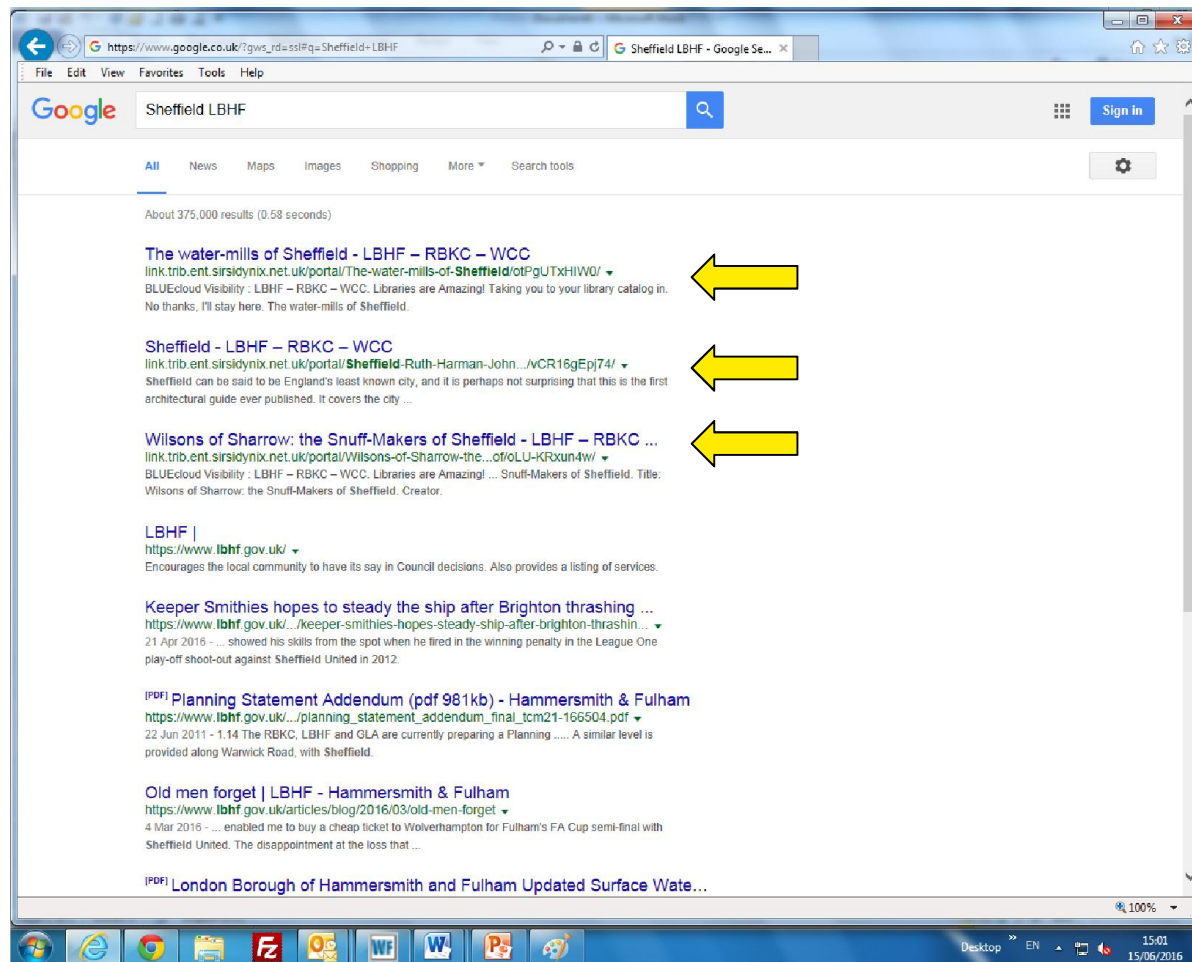
The instance (noun) has holding statement (verb) WRF (noun) bf:heldBy



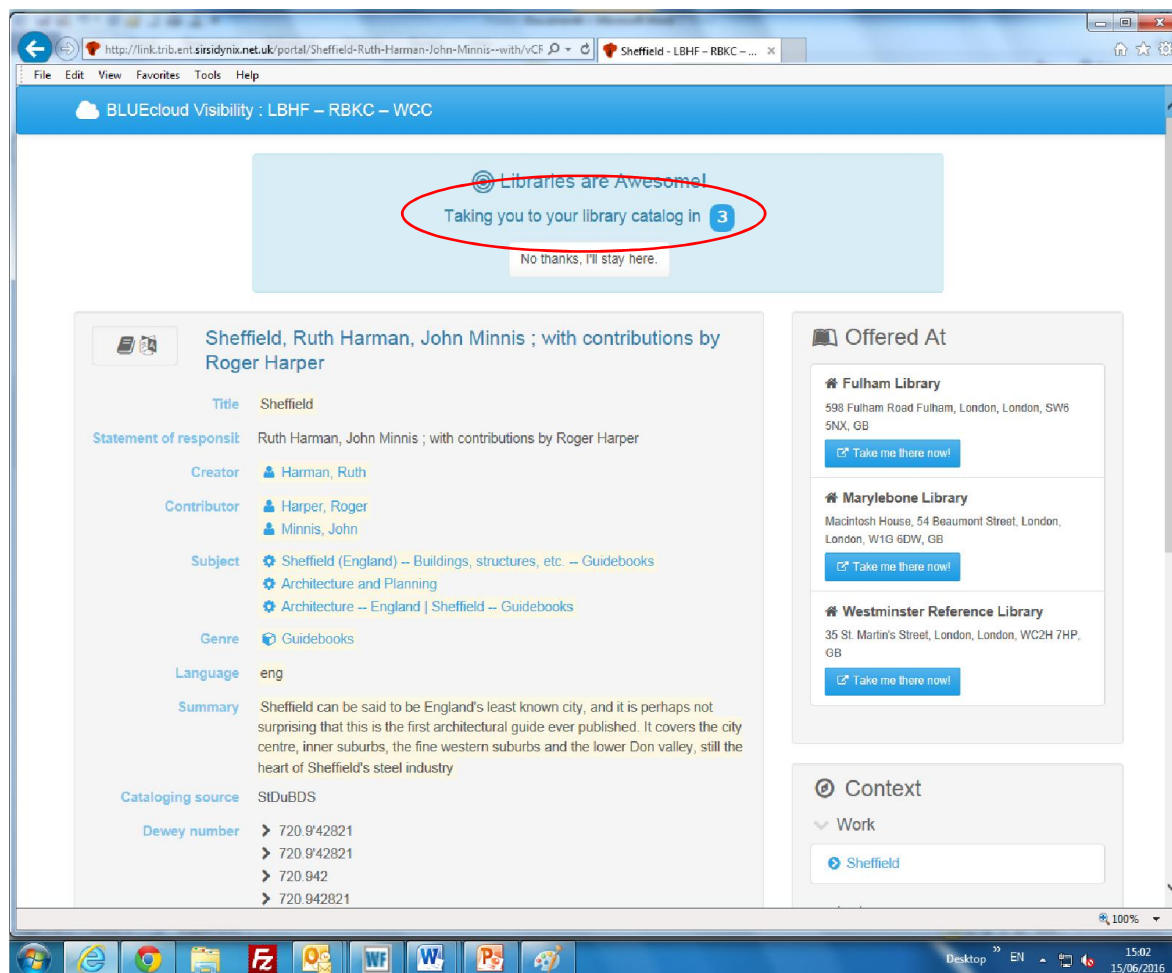
- BlueCloud Visibility – Live



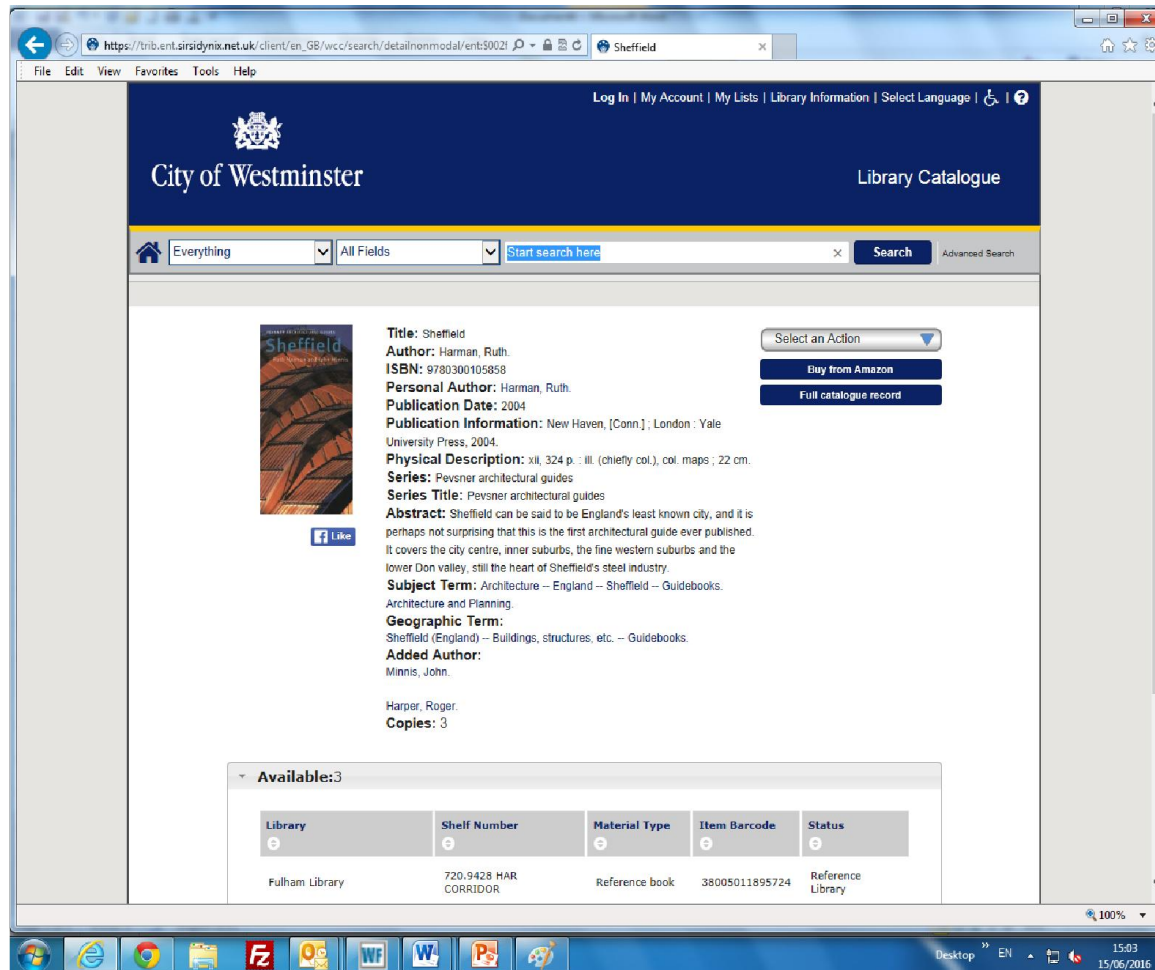
- BlueCloud Visibility – Live



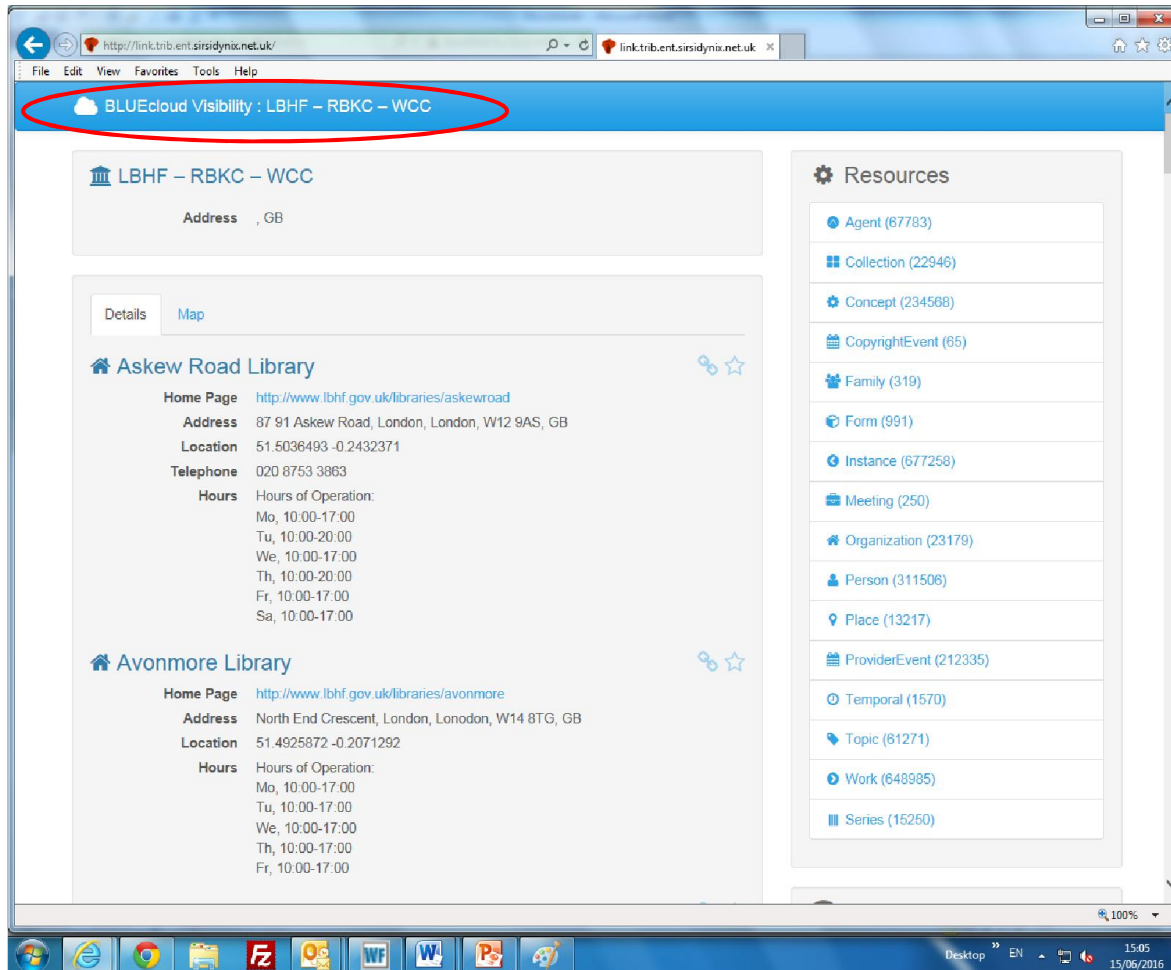
• BlueCloud Visibility – Live



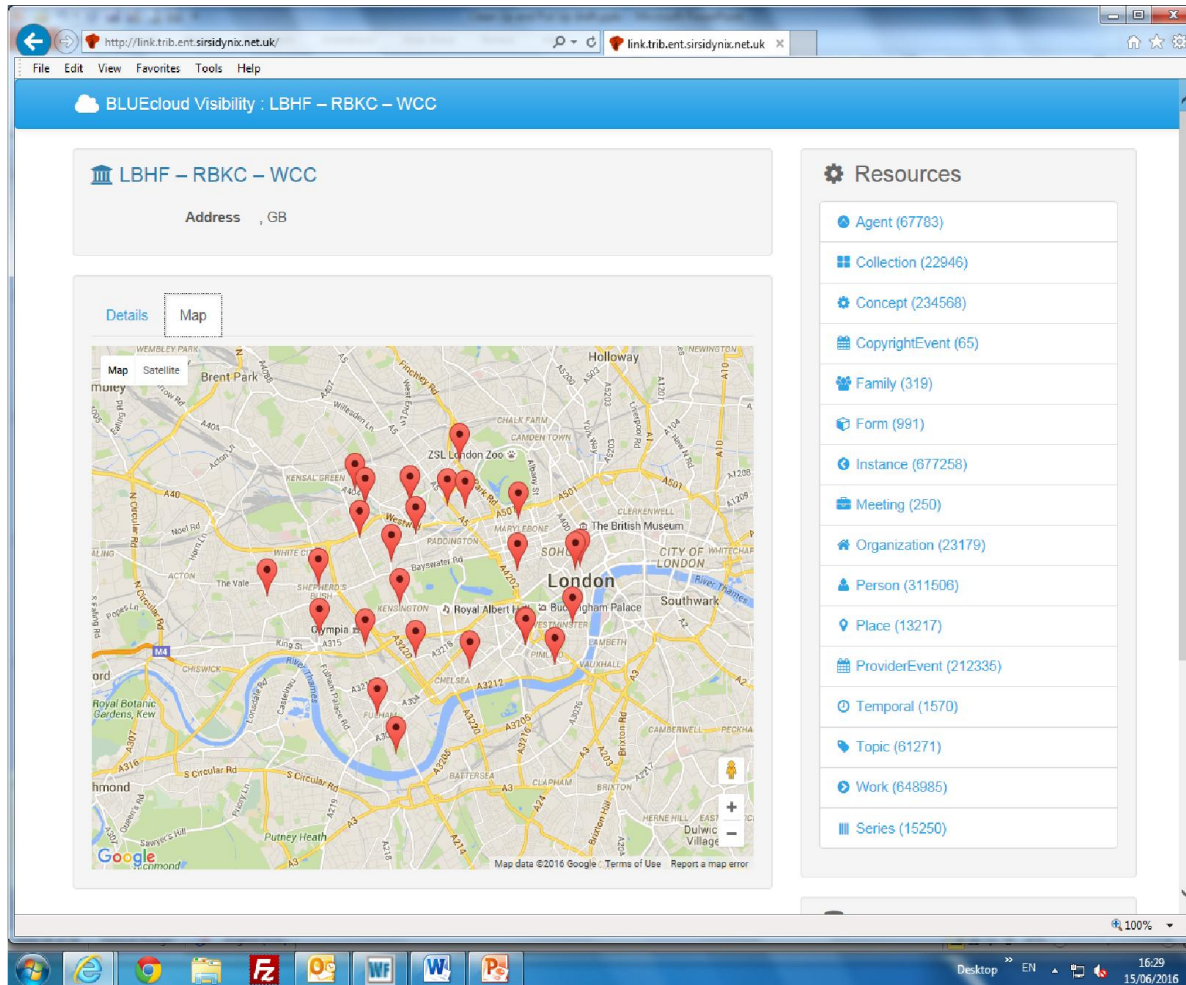
- BlueCloud Visibility – Live



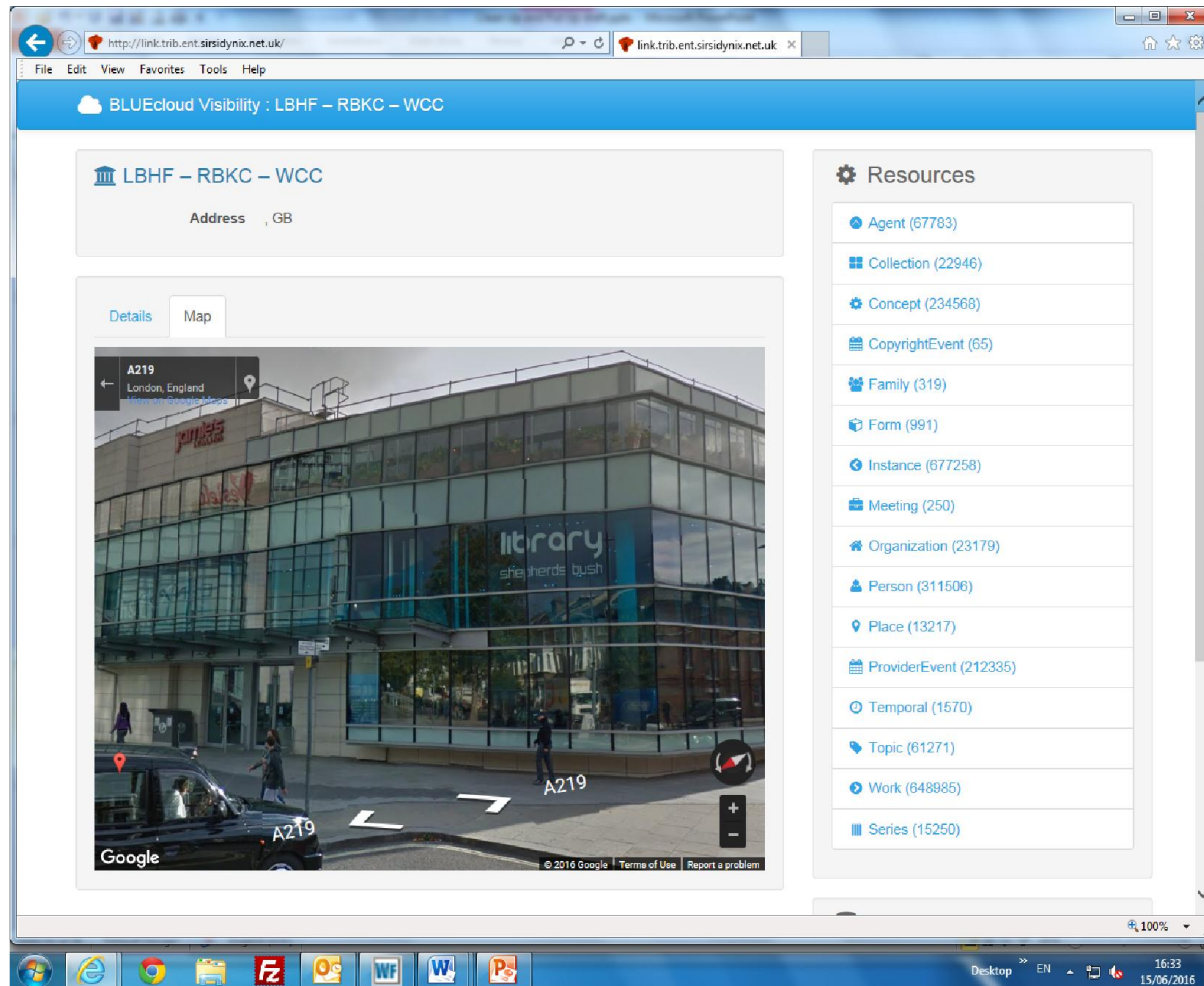
- BlueCloud Visibility – Live



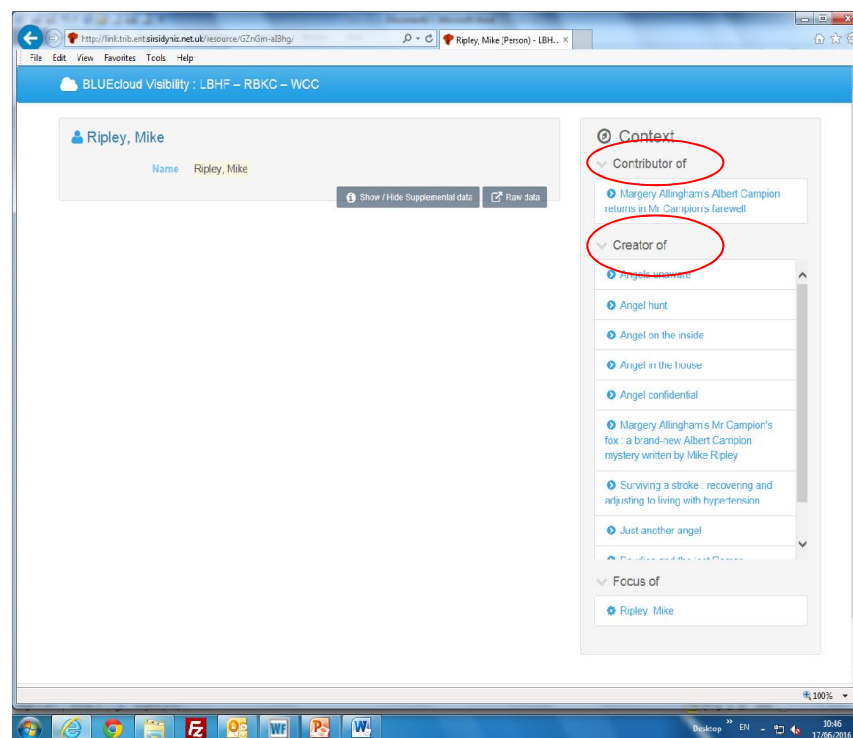
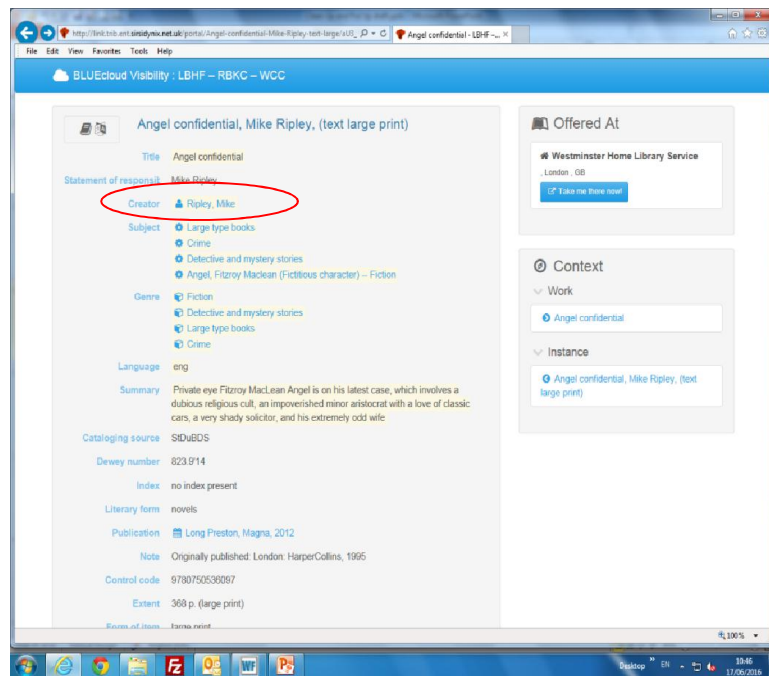
- BlueCloud Visibility – Live



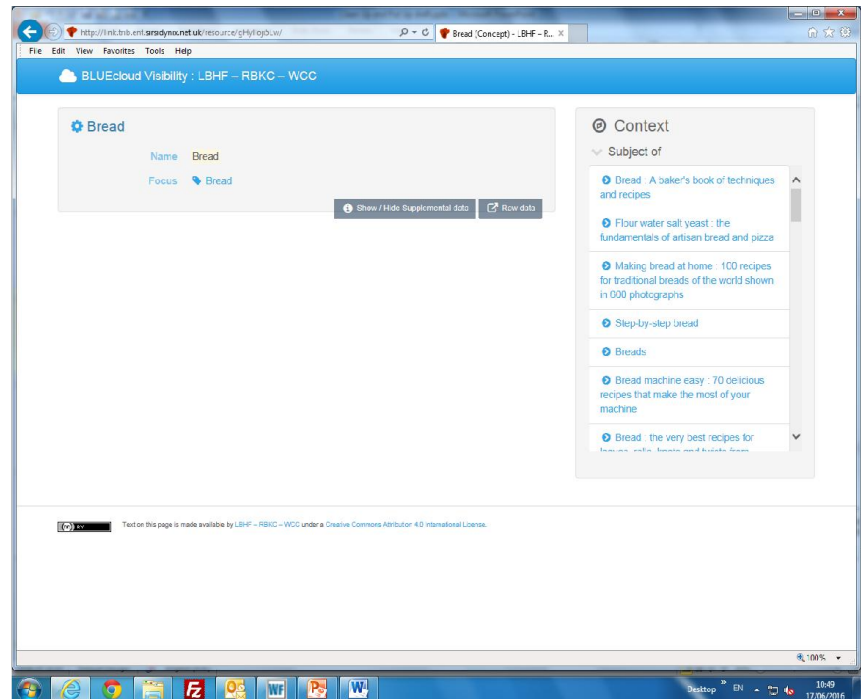
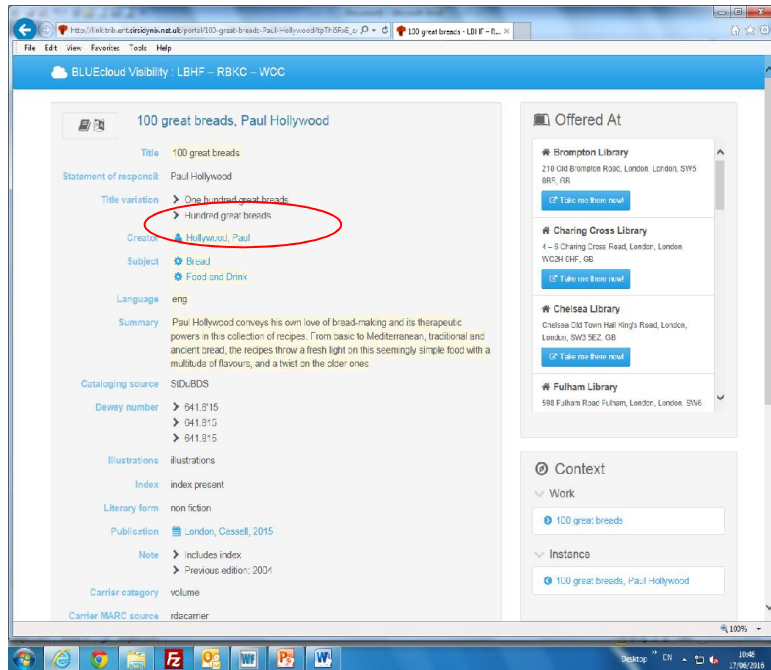
- BlueCloud Visibility – Live



- BlueCloud Visibility – Live



- BlueCloud Visibility – Live



- Access to stock
 - Traditional MARC catalogue
 - Improved subject terms UKSLC
 - BlueCloud Visibility
 - Opens our holdings to everyone
 - Linked Data models
 - RDA / FRBR
 - Bibframe



It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is the most adaptable to change.

William Pollard

We now need to do something with this data, we need to build applications that consume it to discover the best way of creating it. The proof is in the pudding.

Dr. Lars G. Svensson

