

Working in collaboration with data centres

Elizabeth Newbold, The British Library

Presented at: DataCite Annual Conference
Nancy France

August 25, 2014

The British Library

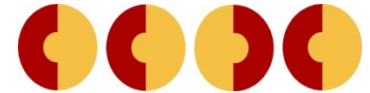
- National Library of the United Kingdom created in 1972 by the British Library Act
- Receives one copy of every publication published in the UK and Ireland under Legal Deposit
- Collections cover all formats; sound, images, video, newspapers, maps, manuscripts, databases, books and journals, much more
- 3 million items incorporated into the collections every year
- Over 16,000 people use its collections every day
- Grows at 12km of shelving per year
- **UK member of DataCite**



The British Library and DataCite

- The British Library is one of the original founding members of DataCite (2009)
- In 2010/11 we started pilot projects with a small number of data centres
- From 2012 we moved from a pilot phase in to offering a full service in the UK and increased the number of participating data centres to 11
- Slowly growing and as of today we have 22 organisations using the service (with more in the pipeline!)
- We provide the DataCite infrastructure in the UK, enabling data centres to 'mint' DOIs for data
- We work collaboratively with the research data community to provide advocacy and guidance on data citation

Who we are currently working with – a wide range of interest



www.ccdc.cam.ac.uk



Workshops

Workshops and meetings

- Client meetings
- Workshop series
 - Workshop 1: An introduction to Data Citation and DataCite
 - Workshop 2: Describe, disseminate, discover: metadata for effective citation
 - Working with DataCite, a technical introduction
 - Workshop 3: Managing and Citing Sensitive Data
 - Workshop 4: What to cite: versioning and granularity of research data for effective citation
 - Workshop 5: Making citation work: practical issues for institutions
 - Workshop 6: Research data metrics for impact and citation
- Ad-hoc small meetings and workshops
 - UK DataCite workshop: Glasgow
 - White Rose Consortium meeting
- Workshops in partnership
 - Preparate Project – peer review of data workshops
 - Research Data Alliance Data Citation working group – workshop on citing dynamic data

Jezepe @jezcope 8 Mar
Cost (£1,500/yr) of registering DOIs is small compared with costs of running an archive (or subscribing to a major journal...) [#BLDataCite](#)
Expand

Simon Hodson @simonhodson99 8 Mar
DataCite DOIs now work with the cross ref resolver - BL is actively working with CrossRef on this [#bldatacite](#) [#jiscmrtd](#)
Expand

Simon Hodson @simonhodson99 8 Mar
Bristol and Notts - did not blink at £1500 p.a. cost - found that the case was easy to make [#jiscmrtd](#) [#bldatacite](#)
Expand

Garret McMahon @gcmahon 8 Mar
Mint your data DOI with us [#BLDataCite](#)
[pic.twitter.com/Dzim7Vvq6e](#)
Favorited by figshare and 1 other
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Garret McMahon @gcmahon 8 Mar
[@ArchEteq](#) Data mojitos can't be far away :)
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Simon Hodson @simonhodson99 8 Mar
[#jiscmrtd](#) How much does using the [#bldatacite](#) service cost? Currently £1500 per annum for a three year contract (not per DOI)

Simon Hodson @simonhodson99 8 Mar
RT [@jezcope](#): Why engage with researchers? So new policies don't come as a big surprise. [#BLDataCite](#) [#jiscmrtd](#)
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David Lewis McElroy @davidlmcclroy 8 Mar
nice little biscuits [#BLDataCite](#) [pic.twitter.com/hFDICJRW6](#)
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Jezepe @jezcope 8 Mar
California Digital Library's curation services, including their "micro-services" approach [#bldatacite](#) [#jiscmrtd](#) [wiki.ucop.edu/display/Curati...](#)
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Kris Jack @_krisjack 8 Mar
How do researchers manage their data? Tom Parson's et al.'s Research Data Management survey [bit.ly/vvTMIX](#) [#jiscmrtd](#) [#bldatacite](#)
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#datacite
repository [bit.ly/2wsvta](#) [#jiscmrtd](#) [#bldatacite](#)
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ADS Chatter @ADS_Chatter 8 Mar
ADMIRe project used CDL model for interviews of data creators, recommended for others wanting to conduct similar surveys [#bldatacite](#)
Favorited by Simon Hodson

Science BL @ScienceBL 17 Jun
Thanks to everyone who came to our [#bldatacite](#) workshop Friday, especially our speakers. We'll tweet when slides are available! [#jiscmrtd](#)
Retweeted by Simon Hodson
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Iain Craig @iaincraig 14 Jun
[#BLDataCite](#) Just back from very interesting meeting on research data. Lots of questions as to how best to move forward.
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William J Nixon @williamjnixon 14 Jun
Not at [#BLDataCite](#) but offered DataCite mint from [@davidlmcclroy](#) - brilliant marketing for [bl.uk/datasets](#) [pic.twitter.com/MeEVRo7qzH](#)
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Science BL @ScienceBL 17 Jun
[@williamjnixon](#) thanks, we hope you enjoy them!
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Neil Grindley @neilgrindley 14 Jun
Wondering what on earth is going on at Oxford. Over 13,000 DOI registrations in the last 24 hours! [bit.ly/17LRH0s](#) [#BLDataCite](#)
Followed by [@kajl](#) [@Taleda](#) and 21 others
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Sarah Molloy @moragm23 14 Jun
ImpactStory [impactstory.org](#) worth an explore, login with your ORCID [@ORCID_Org](#) [#BLDataCite](#)
Followed by Open Research Europe and 14 others
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Sarah Molloy @moragm23 14 Jun
Data journal citation - count as article or data citation? Discuss [#BLDataCite](#)
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Guidance, advice and dissemination

Working with the
British Library and DataCite
Institutional Case Studies

BRITISH
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Working with the
British Library and DataCite
A guide for Higher Education
Institutions in the UK

BRITISH
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data centres and libraries

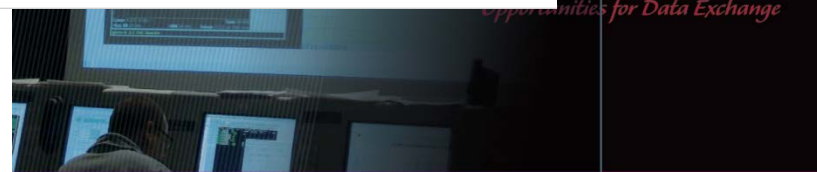
Working in collaboration to provide information to:
researchers

DATA CITATION
what you need to know

E·S·R·C
ECONOMIC
& SOCIAL
RESEARCH
COUNCIL



publishers



THE ODE PROJECT / PUBLISHERS



Opportunities for Data Sharing

There is a growing consensus in science, and society generally, that primary research data resulting from publicly funded research should be shared widely so that the maximum benefits can be gained from the investment. There are common barriers and some reluctance, but also powerful drivers and benefits related to putting this general principle into practice.

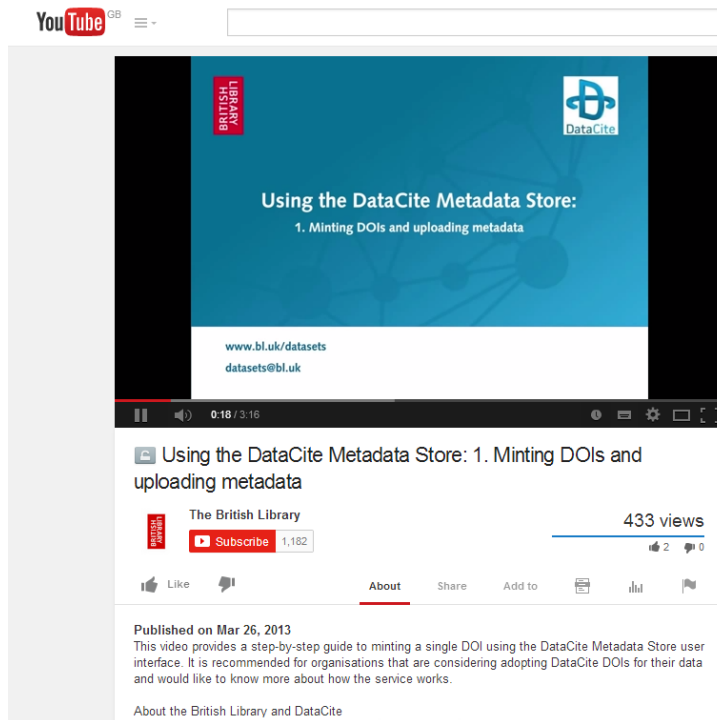
Why should you as a publisher care about data sharing?

archives and subject specific repositories such as GenBank, Pangaea and the Worldwide

Practical demonstrations

- How to manually create and update DOIs with the DataCite infrastructure

<http://www.youtube.com/watch?v=A3GCkVI2mcw> and <http://www.youtube.com/watch?v=VN1WPnGdQZo>



The screenshot shows a YouTube video player with a blue background. At the top left is the YouTube logo. The video title is "Using the DataCite Metadata Store: 1. Minting DOIs and uploading metadata". Below the title is the URL "www.bl.uk/datasets" and the email "datasets@bl.uk". The video progress bar shows 0:18 / 3:16. Below the video player, the video title is repeated, followed by "The British Library" channel name, a "Subscribe" button with 1,182 subscribers, and "433 views". There are also icons for Like, About, Share, Add to, and a list icon.

Using the DataCite Metadata Store:
1. Minting DOIs and uploading metadata

www.bl.uk/datasets
datasets@bl.uk

Using the DataCite Metadata Store: 1. Minting DOIs and uploading metadata

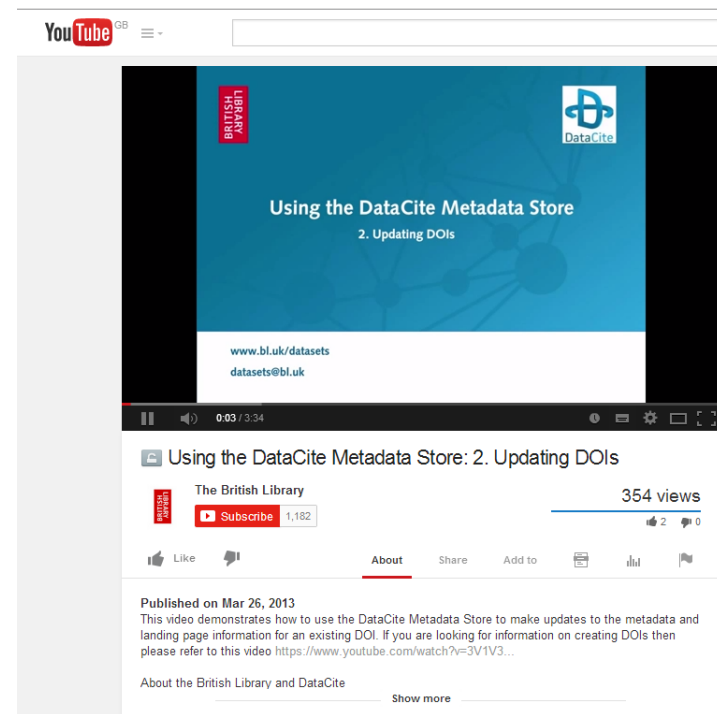
The British Library 433 views

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Published on Mar 26, 2013
This video provides a step-by-step guide to minting a single DOI using the DataCite Metadata Store user interface. It is recommended for organisations that are considering adopting DataCite DOIs for their data and would like to know more about how the service works.

About the British Library and DataCite



The screenshot shows a YouTube video player with a blue background. At the top left is the YouTube logo. The video title is "Using the DataCite Metadata Store: 2. Updating DOIs". Below the title is the URL "www.bl.uk/datasets" and the email "datasets@bl.uk". The video progress bar shows 0:03 / 3:34. Below the video player, the video title is repeated, followed by "The British Library" channel name, a "Subscribe" button with 1,182 subscribers, and "354 views". There are also icons for Like, About, Share, Add to, and a list icon.

Using the DataCite Metadata Store:
2. Updating DOIs

www.bl.uk/datasets
datasets@bl.uk

Using the DataCite Metadata Store: 2. Updating DOIs

The British Library 354 views

Subscribe 1,182

Like About Share Add to

Published on Mar 26, 2013
This video demonstrates how to use the DataCite Metadata Store to make updates to the metadata and landing page information for an existing DOI. If you are looking for information on creating DOIs then please refer to this video <https://www.youtube.com/watch?v=3V1V3...>

About the British Library and DataCite

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Blog posts

02 AUGUST 2013

Show me more data

Expanding on last week's post on open data, today we look at our role in DataCite and how we are supporting the UK research data community.

The British Library is one of the founding members of DataCite, an international organisation bringing together the research data community to work collaboratively on the challenges of making research data visible, accessible and citable. DataCite is a registration agency for Digital Object Identifiers (DOIs), and the British Library is an allocating agent on behalf of DataCite. We provide an infrastructure that supports simple and effective methods of discovery and access. We work with data centres and other organisations to enable them to assign to DOIs to data.

Since 2011, the Library's Science team has been developing DataCite services in the UK. In practical terms, this has involved working with a range of organisations that create, manage or archive data, setting them up on the system, so that they can assign DOIs (a process known as minting - we even have mints, pictured, to prove it!), working on the DataCite metadata schema and ensuring our community's needs are represented within the global DataCite membership. To support this work, we have organised a series of workshops, exploring the various aspects of data citation, as well as the requirements for working with DataCite and DOIs.



We've covered a lot of topics in the last year. From the basics - such as what does minting a DOI actually mean and how do I do it? (you can find out how in our YouTube video) and what should I put a DOI on - to more complex subjects such as how do I deal with sensitive data or different

presentations from the workshops on our webpages ww

In addition to running workshops, we've been out and discussing how they can use the service as well as hea



Helping you to find, access, and reuse data

DataCite

Describe, disseminate, discover: metadata for effective data citation

Published by Caroline Wilkinson on 24 July 2012 - 4:04pm



Workshop report - Describe, disseminate, discover: metadata for effective data citation

The second in a series of JISC-funded workshops, designed to support good data citation practices among the UK research community, took place at the British Library on July 6th. The workshop focused on metadata for data citation and, in addition to a detailed look at the DataCite schema and how it was developed, featured presentations from a number of DataCite service users who have already incorporated the metadata schema into their workflows.

The workshop was very well attended by representatives from library, repository, publishing and research backgrounds, among others. The high level of interest in this topic seems to reflect the growing awareness in the UK HF community - partly driven by the recent mandates from the research

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Researchers, publishers, libraries and data centres all have a role in promoting and encouraging data citation.

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The key to verifying and validating research is the identification and access of datasets. But cultural and behavioural barriers to sharing data are still widespread. Rachael Kotarski, the Content Expert for scientific datasets at the British Library, explains why citing data, as well as the article, is the way forward. Data are not necessarily fixed, stable or homogenous objects, so citing them can be considerably more complicated than for articles.

In a previous post, Lee-Ann Coleman looked at citations in science, asking what should be cited, and what a citation means. The answers to these questions are not necessarily simple, but one response we have been hearing (and that we support), is that data needs to be cited. Citing data not only gives credit to those who created or gathered it, but can also give some kudos to the repository that looks after it. Despite the fact that data is also key to verifying and validating research, it is not yet standard practice to cite it when writing a paper. And even if it is cited, it is rarely done in a way that allows you to identify and access that data.

As part of the Opportunities for Data Exchange (ODE) project, we investigated data citation and the ways in which data centres, publishers, libraries and researchers can encourage better data citation. What does 'better data citation' look like and how do we encourage it to happen? We examined three aspects of current practice in order to answer this question:

- How data is cited?
- What data is cited?
- Where is data cited within the article?



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University of Glasgow. As ways you can look at the versioning of individual data files or

iz-Lopez and

part of international spoke passionately a persistent rchers who collected le play a vital role in arch, but they do not pend an equal spiders as those who

Bloggng about DataCite activities in the UK on the British Library Science Blog and as guest posts on other institutions

Collaborative projects

Collaborative projects - Opportunities for Data Exchange (ODE)

- A European-funded FP7 project, looking at way to support data sharing
- Involved in work streams around best practice in data citation and the role of libraries
 - <http://bit.ly/1cmOy9N>
- A set of guides for each community on how to better enable data sharing
 - <http://bit.ly/15VHzNQ>



LIBRARY
Opportunities for Data Exchange

APA
Association of Public
Academic Libraries
7
EUROPEAN COMMISSION
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Opportunities for Data Sharing

There is a growing consensus in science, and society generally, that primary research data resulting from publicly funded research should be shared widely so that the maximum benefits can be gained from the investment. There are common barriers and some reluctance, but also powerful drivers and benefits related to putting this general principle into practice.

Why should you as a researcher care about data sharing?
Successful examples, such as sharing data through the Worldwide Protein Data Bank, Pangaea and GenBank, clearly demonstrate that data sharing can provide enormous benefits. Introducing or intensifying data sharing in your discipline may be worth the effort as well.

Do you know about others' views?
The EU FP7-funded ODE project has collected views from numerous individuals – representative of all involved stakeholder groups – on the opportunities for data exchange. These views were analysed and consolidated in order to inform each group about each others' views and possible future activities.

To obtain more results from our research, please visit:
www.ode-project.eu/ode-outputs

Collaborative projects – ODIN (ORCID and DataCite Interoperability Network)

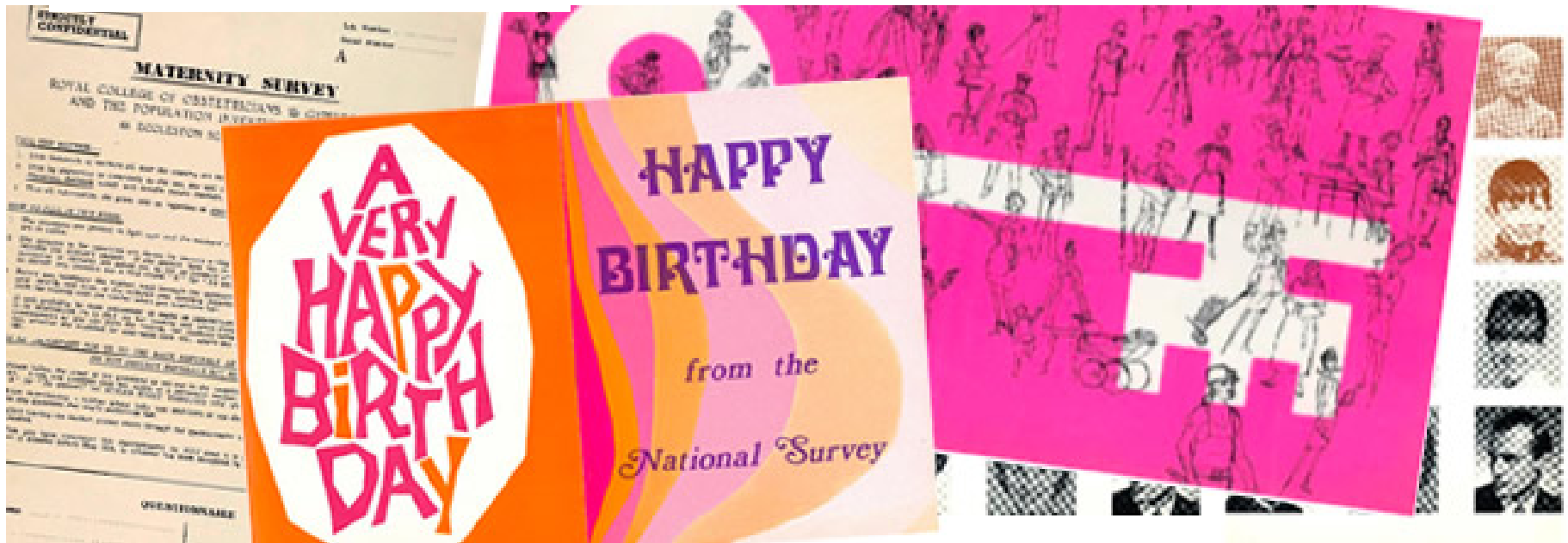


Image from National Survey for Health and Development.

From their website: "MRC Unit for Lifelong Health and Ageing at UCL (LHA) is the home of the MRC National Survey of Health and Development (NSHD)."

Further information

- Presentations from British Library workshops:
 - www.bl.uk/datasets
- ESRC guidance
 - <http://www.esrc.ac.uk/funding-and-guidance/grant-holders/data-citation.aspx>
- Outputs from ODE project
 - <http://www.alliancepermanentaccess.org/index.php/community/current-projects/ode/outputs/>
- ODIN project outputs
 - <http://odin-project.eu/project-outputs/deliverables/>
- Presentations from Preparate workshop
 - <http://www2.le.ac.uk/projects/preparate/events/what-does-peer-review-of-data-mean-part-2>

Thank you

email: datasets@bl.uk

twitter: @sciencebl