Unlocking Thesis Data: connecting doctoral theses with ORCiD, DataCite and DOIs

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British Library
The British Library
<table>
<thead>
<tr>
<th><strong>Title:</strong></th>
<th>Mid-century molecular: the material culture of X-ray crystallographic visualisation across postwar British science and industrial design</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Author:</strong></td>
<td>Candela, Emily</td>
</tr>
<tr>
<td><strong>Awarding Body:</strong></td>
<td>Royal College of Art in collaboration with the Science Museum</td>
</tr>
<tr>
<td><strong>Current Institution:</strong></td>
<td>Royal College of Art</td>
</tr>
<tr>
<td><strong>Date of Award:</strong></td>
<td>2015</td>
</tr>
</tbody>
</table>

**Availability of Full Text:**

- **Access through EThOS:** [Thesis available for immediate download. Please login/register to view/download & delivery options.](http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.685320)

- **Access through Institution:** [http://researchonline.rca.ac.uk/1773/](http://researchonline.rca.ac.uk/1773/)

**Abstract:**

This thesis investigates the use and significance of X-ray crystallographic visualisations of molecular structures in postwar British material culture across scientific practice and industrial design. It is based on research into artefacts from three areas: X-ray crystallographers' postwar practices of visualising molecular structures using models and diagrams; the Festival Pattern Group scheme for the 1951 Festival of Britain in which crystallographic visualisations formed the aesthetic basis of patterns for domestic objects; and postwar furnishings with a ‘ball-and-rod’ form and construction reminiscent of those of molecular models. A key component of the project is methodological. The research brings together subjects, themes and questions traditionally covered separately by two disciplines, the history of design and history of science. This focus necessitated developing an interdisciplinarity set of methods which results in the reassessment of disciplinary borders and productive...
What do we do?

We want to help make data more accessible and more useful; our purpose is to develop and support methods to locate, identify and cite data and other research objects. Specifically, we develop and support the standards behind persistent identifiers for data, and our members assign them.

We bring together actors from the research community to address the challenges of making research objects visible and accessible. Together we constitute a global network of dataset researchers. Members of DataCite meet in person every six months at summer and winter conferences, and collaborate in established working groups.

Through collaboration, we:

- support researchers by helping them to find, identify, and cite research data and other research objects with confidence;
- support data centres by providing persistent identifiers for datasets, workflows and standards for data publication;
- support journal publishers by enabling research articles to be linked to the underlying data/objects.

Currently we are working primarily with organisations that host data, such as data centres and libraries.

Assigning persistent identifiers to datasets

By working with data centres to assign persistent identifiers to datasets and other research objects, we are developing an infrastructure that supports simple and effective methods of data citation, discovery, and access. Citable data become legitimate contributions to scholarly communication, paving the way for new metrics and publication models that recognise and reward data sharing.
UK PhD theses

Year of award

94-95  99-00  04-05  09-10

Doctorates (thousands)

0  5  10  15  20  25
Institutions’ deposit requirements

- E-only: 29%
- Print only: 4%
- Print and e-: 6%
- Print with optional e-: 2%
- Other: 59%
Why do THESES need identifiers?

- Accurate & easy citation
- Linking – appendices, multiple volumes, underlying data, related articles
- Impact and metrics, e.g. altmetrics, IRUS-UK
- Persistent access – reduces link rot
- No other system (ISBN ... )
Why do RESEARCH STUDENTS need a personal identifier?

- Visibility for their work and themselves
- Citation
- Disambiguation
- Easy data management
- Funders and publishers increasingly require one
Unlocking Thesis Data
Unlocking Thesis Data - aims

- Assess activity with thesis identifiers in the UK
- Understand if theses are different to data
- Add identifiers to EThOS
- Look at ORCiD identifiers for PhD students
- Provide a national oversight
- Guide progress for institutions
What identifiers do you use for your research data?
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What identifiers do you use for your *theses*?
UTD Survey –
How ready are you to assign DOIs for theses?
Some questions

Isn't DataCite only for data?

Who would mint the DOIs?

What's the role of the British Library and EThOS?

Where would the 'version of record' be held? - where does the DOI resolve to?

What are the workflows?
What needs to be done

1. Support from library management
2. Engagement from Graduate Schools & academic committees
3. Workflow planning
4. Repository updates at the university
5. System enhancements
UTD outcomes - DOIs

• You *can* use DataCite for theses
• Example DOIs
• Many signs of progress
• Repository system suppliers need to accommodate identifiers in their thesis modules
• EThOS needs to update the plug-in
Nearly 200 UK thesis DOIs

Metadata Search

Filter

datacentre
BL.LSHTM (170)
BL.CAM (19)
BL.GLASGOW (3)
BL.IMPERIAL (2)
BL.SOTON (2)
BL.LEEDS (1)
BL.UEL (1)

prefix
resourceType
Thesis

publicationYear

publisher

language

Active filters (clear all): allocator BL - The British Library

198 documents found in 100ms
Page 1 of 20

1. Memory, Place and Subjectivity: Experiments in Independent Documentary Filmmaking
   Daniels, Jill
   resourceType: Thesis

2. 'Visiting rights only': the early experience of nursing in higher education, 1918-1960
   Brooks, Jane
   resourceType: Thesis

   Thom, Elizabeth Whyte
   resourceType: Thesis

4. Determinants and consequences of obesity in adult Kuwaiti females
   Al-Hamad, Nawal Mejren
   resourceType: Thesis

5. Pattern-mixture sensitivity analysis in longitudinal trials with drop-out
   Vamvakas, George
   resourceType: Thesis

6. Geometry and light in the architecture of Guarino Guarini
   doi:10.17037/PUBS.400 Text: Thesis
Identify yourselves!

Hello
my name is

0000-0001-6843-7960
Why are author IDs needed?

- PhD students are new researchers – catch them early
- Gives students identity as a researcher – while they’re still students
- Makes their PhD more visible
- Connects their thesis to their other research outputs
- Identifiers for PhD supervisors?
Identifiers for PhD authors - ORCiD

[Screenshot of ORCiD webpage showing profile of Sara Gould]

ORCiD ID
orcid.org/0000-0003-2763-9755

Keywords
theses, dissertations, PhDs, research, libraries, open access

Employment (1)
The British Library: London, Boston Spa, United Kingdom
ETHOS Manager (Services for Researchers)
Source: Sara Gould
Created: 2014-02-05

Works (5)
Unlocking Thesis Data: Phase 1 survey of UK Higher Education Institutions
2015-06-22 | report
DOI: 10.15123/PUB.4274
Source: Sara Gould
Preferred source

Unlocking Thesis Data Phase 1 baseline survey data
2015 | other
DOI: 10.15123/DATA.12
Source: DataCite Metadata Search
Preferred source
Institutions focusing on academics

The ORCID Project

The ORCID Project at Imperial College London

In 2014 Imperial became a member of ORCID and a cross-College project board was formed to facilitate the creation of an ORCID ID for all academic staff.

The project was part of a pilot run by Jisc, ARMA and ORCID, and participation by the College was approved by the Provost E and discussed at the Open Access Publishing group by representatives from all faculties.

On 3 December 2014, Imperial created an ORCID ID for 3,226 academic staff. This number excluded staff who had already registered for an iD and those who opted out. All staff included in this bulk creation received an email from Library Services instructing them on how to claim their ORCID ID and how to link it to their Symplectic profile. To create the new ORCID prof
UK ORCID consortium membership

Offering reduced ORCID membership costs and UK-based technical and community support.

Join UK ORCID consortium

For membership enquiries
help.digitalresources@jisc.ac.uk

About ORCID

ORCID is an open, non-profit, community-based initiative to provide researcher identifier solutions that enable a wide range of improvements to the scholarly communications ecosystem.

ORCID is being offered to UK universities through a national consortium arrangement. Benefits include reduced
ORCiDs for students – April 2015

- We do not use ORCiD institutionally at all
- We plan to ask PGRs to get an ORCiD
- We have no plans to implement ORCiD workflows for our PGRs at the moment
- We encourage our PGRs to register for an ORCiD
- We have institutional membership of ORCiD
- Our CRIS system has a registration facility which supports the process
- Our repository system has a plug-in which manages the process
- Student ORCiDs are added if available but we don’t encourage their uptake
ORCID-Thesis importer

ORCID Thesis Import

Export your E-Thesis and import it into ORCID

Please enter your ETHOS Thesis ID (Find my thesis ID) or an institutional repository URL

Example: uk.bl.ethos.393777

Fetch my work

Provided by The British Library as part of the ODIN project.

Source code available on Github. Questions to @brocemerzavile
EThOS record with ORCID ID

Use this URL to cite or link to this record in EThOS: http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.550256

The University of York

Title: Seeing triple: archaeology, field drawing and the Semantic Web

Author: Wright, Holly

Awarding Body: University of York

Current Institution: University of York

Date of Award: 2011

ORCID: 0000-0002-3403-4159

Availability of Full Text:

Access through EThOS: Thesis available for immediate download. Please login/register to view download & delivery options.

Access through Institution: http://etheses.whiterose.ac.uk/2194/

Abstract:

This thesis explores the Semantic Web with relation to archaeology, and whether it is yet possible for non-specialist archaeologists to create, use and share their data using Semantic Web technologies and principles. It also considers whether spatial data derived from field drawings can be incorporated alongside textual data, to ensure a more complete archaeological record is represented on the Semantic Web. To determine if these two related questions can be answered, a practical application was undertaken, followed by a discussion of the results, and recommendations for future work. Two archaeological datasets were chosen for the practical application. The first was an Anglian and Anglo-Saxon dating site in the Yorkshire Wolds located near Bransby Hinge Farm, Cotting, excavated by the Department of Archaeology at the...
Next step?

Is this your thesis? Add it to your ORCiD profile

Title: Seeing triple: archaeology, field drawing and the Semantic Web
Author: Wright, Holly
Awarding Body: University of York
Current Institution: University of York
Date of Award: 2011

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Technical and Human infrastructure for Open Research

THOR

www.bl.uk
So what now?

1. Get yourself an ORCiD identifier
2. Encourage your students to get one
3. Discuss identifiers with your Research Office and academics
4. Talk to DataCite about DOIs
Thank you

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http://ethos.bl.uk