Implementing Name Authority Control into Institutional Repositories: A Staged Approach

Mark Phillips
July 9, 2013
Open Repositories 2013
Names tend to be a problem area libraries are “uniquely qualified” to try to tame.
Where “uniquely qualified” = a little crazy
We've been working in this area for a very long time
But in the end it seems like we are chipping away at a glacier.
This is a an area of much interest
With a number of participants
Library of Congress Name Authority File
The Library of Congress Name Authority File (NAF) file provides authoritative data for names of persons, organizations, events, places, and titles. Its purpose is the identification of these entities and, through the use of such controlled vocabulary, to provide uniform access to bibliographic resources. Names descriptions also provide access to a controlled form of name through references from unused forms, e.g., a search under “Snodgrass, Quintus Curtius, 1835-1910” will lead users to the authoritative name for Mark Twain, which is, “Twain, Mark, 1835-1910.” Names may also be used as subjects in bibliographic descriptions, so they may be combined with controlled values from subject heading schemes, such as LCSH. Library of Congress Names includes over 8 million descriptions created over many decades and according to different cataloging policies. LC Names is officially called the NACO Authority File and is a cooperative effort in which participants follow a common set of standards and guidelines.

URI(s)
- http://ld.loc.gov/authorities/names

Instance Of
- MADS/RDF MADS/Schema
- SKOS ConceptScheme

Schema Members
- http://ld.loc.gov/authorities/names/collection_LCNAF

Change Notes
Virtual International Authority File (VIAF)
VIAF: The Virtual International Authority File

VIAF, implemented and hosted by OCLC, is a joint project of several national libraries plus selected regional and trans-national library agencies. The project's goal is to lower the cost and increase the utility of library authority files by matching and linking widely-used authority files and making that information available on the Web.

Participating institutions are:

- National Library of Australia
- Library and Archives Canada
- National Library of the Czech Republic
- Bibliotheca Alexandrina (Egypt)
- Flemish Public Libraries
- Denmark (DBC)-test
- Bibliothèque nationale de France
- SUDOC (France)
- Deutsche Nationalbibliothek
- Getty Research Institute
- National Széchényi Library (Hungary)
- National Library of Israel
- Istituto Centrale per il Catalogo Unico (Italy)
- National Diet Library (Japan)
- National Library of the Netherlands-test
- Norway (BIBSYS)
- NUKAT Center (Poland)
- Biblioteca Nacional de Portugal
- Biblioteca Nacional de España
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1. REGISTER
Get your unique ORCID identifier Register now! Registration takes 30 seconds.

2. ADD YOUR INFO
Enhance your ORCID record with your professional information and link to your other identifiers (such as Scopus or ResearcherID or LinkedIn).

3. USE YOUR ORCID ID
Include your ORCID identifier on your Webpage, when you submit publications, apply for grants, and in any research workflow to ensure you get credit for your work.
International Standard Name Identifier (ISNI)
International Standard Name Identifier (ISO 27729)

ISNI is the ISO certified global standard number for identifying the millions of contributors to creative works and those active in their distribution, including writers, artists, visual creators, performers, researchers, producers, publishers, aggregators, and more. It is part of a family of international standard identifiers that includes identifiers of works, recordings, products and right holders in all repertoires, e.g. DOI, ISAN, ISBN, ISRC, ISSN, ISTC, and ISWC.

The mission of the ISNI International Authority (ISNI-IA) is to

How To Register

Stand Out! Be Unique! Apply for your ISNI here, to ensure that you are authoritatively listed in professional databases and directories.

- Get your ISNI
- Find An Agency
- Learn More

Search ISNI

This basic ISNI lookup tool is provided by the Online Computer Library Center (OCLC).

- Search Now!
The Names Project
The project

The Names Project is working to uniquely identify individuals and institutions involved in research in higher education in the United Kingdom.

The Names system holds identifiers for more than 47,000 UK researchers, with new information being added all the time. Contact us if you have researcher information to add, or submit information about yourself.

Read more...

Quick search

Individuals  Institutions
Family Name:
Given Name:
Search
Advanced Search

Latest news via Twitter or visit our Blog

Tweets

Names Project @NamesProject 2 Jul
Doing some QA work on OU data. Favourite article title today: 'Acoustic envelope detector for crispness assessment of biscuits'.
#peckish

Names Project @NamesProject 26 Jun
New Names Post: More on ORCIDs and ISNIs: A press release from Ringgold this week tells us that ORCID will be ...
bit.ly/1aDYOS
Show Summary

Names Project @NamesProject 17 May
Linked Content Coalition report on 'Principles of Identification' by Norman Paskin [PDF]: media.wix.com/ugd/bf7bc_3a5...
Expand

Names Project @NamesProject 9 May
New Names Post: NISO recommended practice on institutional identifiers: Last month the work of the NISO I2 (in...
bit.ly/192GJzG

Aberystwyth University
Assigned Identifiers on other systems:
ISBN 9780112466813 - ISNI
http://names.mimas.ac.uk/institution/36 Last modified 01:10 PM April 26, 2013

Anglia Ruskin University
Assigned Identifiers on other systems:
ISBN 9780099121830931 - ISNI
http://names.mimas.ac.uk/institution/61 Last modified 01:19 PM April 26, 2013

Armagh Observatory
Assigned Identifiers on other systems:
ISBN 978000007243999 - ISNI
http://names.mimas.ac.uk/institution/143 Last modified 01:19 PM April 26, 2013
These are all great initiatives, but don't yet solve the problem of local name authority in most institutional repositories.
100 randomly selected names from the UNT Digital Library
Local bibliographic record = 26
VIAF records = 32
LOC records = 28
Wikipedia = 2
We wanted to solve *some* of the problems in the name world, just *some* of them.
This is what we did.
Five Stars of Open Linked Data
1. make your stuff available on the web (whatever format)
2. make it available as structured data (e.g. excel instead of image scan of a table)
3. non-proprietary format
(e.g. csv instead of excel)
4. use URLs to identify things, so that people can point at your stuff
5. link your data to other people's data to provide context
make your stuff available on the web (whatever format)

make it available as structured data (e.g. excel instead of image scan of a table)

non-proprietary format (e.g. csv instead of excel)

use URLs to identify things, so that people can point at your stuff

link your data to other people's data to provide context

http://inkdroid.org/journal/2010/06/04/the-5-stars-of-open-linked-data/
We felt this list was a perfect starting point
And that for our purposes we needed to add a few more steps to get things really cooking
1. Put vocabularies on the Web as five-star open linked data
2. Make vocabularies available to metadata creators who actively use them
3. Store links, not strings
4. Make data meaningful to users.
Here is what we ended up with
UNT Name App
The *UNT Name App* is for reference, disambiguation and storage of name records used by the UNT Digital Collections.

### Total Record Count

<table>
<thead>
<tr>
<th>Type</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Names</td>
<td>2,492</td>
</tr>
<tr>
<td>Organization Names</td>
<td>436</td>
</tr>
<tr>
<td>Event Names</td>
<td>8</td>
</tr>
<tr>
<td>Software Names</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total Names</strong></td>
<td>2,936</td>
</tr>
<tr>
<td>Name</td>
<td>Date of Birth</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Phillips, Jessica</td>
<td></td>
</tr>
<tr>
<td>Phillips, Kelly</td>
<td></td>
</tr>
<tr>
<td>Phillips, Landela</td>
<td></td>
</tr>
<tr>
<td>Phillips, Mark Edward</td>
<td>1979</td>
</tr>
</tbody>
</table>
Phillips, Mark Edward

Authorized: Phillips, Mark Edward
Name Type: Personal
URI: http://digital2.library.unt.edu/name/nm0000001
Date of Birth: 1979

Biographical Info:

**Affiliations**
- Oklahoma City University: Alumnus (2002)
- University of North Texas: Alumnus (2004)
- University of North Texas: Faculty (2004–)

**Links:**
- Internal: UNT Libraries Digital Collections
- ORCID: http://orcid.org/0000-0002-9679-6730
- Linkedin: http://www.linkedin.com/in/vphill
- ResearchGate: https://www.researchgate.net/profile/Mark_Phillips2/
- Scopus Author ID: http://www.scopus.com/authid/detail.uri?authorId=6440672800
- Google Scholar: http://scholar.google.com/citations?user=xwhm0ksAAAAJ
- Twitter: http://twitter.com/vphill
- UNT Faculty Profile: https://faculty.unt.edu/editprofile.php?pid=2333

**Publishes As:**
- Phillips, Mark
- Phillips, Mark E.

**Alternate Formats**

[JSON]
[XML]
http://digital2.library.unt.edu/name/nm0000001
Links:

- **Internal**: UNT Libraries Digital Collections
- **ORCID**: http://orcid.org/0000-0002-9679-6730
- **LinkedIn**: http://www.linkedin.com/in/vhill
- **Scopus Author ID**: http://www.scopus.com/authid/detail.url?authorId=8440872800
- **Google Scholar**: http://scholar.google.com/citations?user=xwhmCksAAAAJ
- **Twitter**: http://twitter.com/vhill
- **UNT Faculty Profile**: https://faculty.unt.edu/editprofile.php?pid=2333
Mark E. Phillips
Associate Librarian-Librarians, Assistant Dean for Digital Libraries

1506 Highland Avenue, Denton, TX 76205  Mail Box #305190, Willis Library, Room No.: 351
mark.phillips@unt.edu  940-565-2415

Professional Preparation

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major/Thesis/Dissertation</th>
<th>Institution</th>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>MLS</td>
<td>Library and Information Science</td>
<td>University of North Texas</td>
<td>2004</td>
</tr>
<tr>
<td>BM</td>
<td>Music Performance</td>
<td>Oklahoma City University</td>
<td>2002</td>
</tr>
</tbody>
</table>

Research and Expertise

Digital Libraries
UNT Digital Library

Appointments

<table>
<thead>
<tr>
<th>Duration (YYYY - YYYY or Present)</th>
<th>Rank</th>
<th>Department / School</th>
<th>College / Office</th>
<th>University / Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-Present</td>
<td>Librarian III</td>
<td>Assistant Dean for Digital Libraries</td>
<td>Libraries</td>
<td>University of North Texas</td>
</tr>
<tr>
<td>2005-2010</td>
<td>Librarian II</td>
<td>Head, Digital Projects Unit</td>
<td>Libraries</td>
<td>University of North Texas</td>
</tr>
<tr>
<td>2004-2005</td>
<td>Librarian I</td>
<td>Digital Projects Lab Manager</td>
<td>Libraries</td>
<td>University of North Texas</td>
</tr>
</tbody>
</table>
Phillips, Mark Edward
0000-0002-9679-6730
Country: US
Keywords: library, digital preservation, web archiving
Websites:
- Project Website
- Project Website
- Project Website
- Personal Website
Other IDs:
- Scopus Author ID: 8440872800

Publications

http://www.scopus.com/inward/record.url?eid=2-s2.0-84960627375&partnerID= MN8TOARS

Open source components, standards conformance, and UCD: Building blocks for successfully managing and enhancing an established digital archive: Archiving 2010 - Preservation Strategies and Imaging Technologies for Cultural Heritage Institutions and Memory Organizations, Final Program and Proceedings 2010
http://www.scopus.com/inward/record.url?eid=2-s2.0-79956133134&partnerID= MN8TOARS

Integrating controlled vocabularies into cultural heritage digital collections: The Portal to Texas History experience
Oct-2008
We started with Open Linked Data
Next, put it in front of metadata creators
**Title**
The name given to the resource

**name:**
The name of a person, organization, or event (conference, meeting, etc.) associated in some way with the resource
Phillips, Mark Edward

**type:**
Used to designate if a creator is an individual or an organization
Personal

**role:**
The role that the person or organization played in the creation of the item

**info:**
Additional information about the creator related to the specific item

**Contributor**
The name of a person or organization that has played an important but secondary role in creating the content of the resource and is not specified in the creator element

**name:**
The name of a person, organization, or event (conference, meeting, etc.) associated in some way with the resource

**type:**
Used to designate if a contributor is an individual or an organization
Increase the consistency of names in records
Allow users to find other items by clicking on a name in the IR
Next up, storing links not names
Store this:
http://digital2.library.unt.edu/name/nm0000001

Instead of this:
Phillips, Mark Edward
We are still working on that one
Finally, make data meaningful to users
Here are some great examples
Moen, William E.

Overview

Works: 34 works in 51 publications in 1 language and 1,493 library holdings
Roles: Editor, Other
Classifications: 2674,621.659, 021.650973

Publication Timeline

Most widely held works by William E Moen

Libraries and the Internet/NREN : perspectives, issues, and challenges  (Book)
6 editions published between 1993 and 1994 in English and held by 657 libraries worldwide

An evaluation of the federal government's implementation of the Government Information Locator Service (GILS) : final report  by William E Moen  (Book)
3 editions published in 1997 in English and held by 231 libraries worldwide

Librarians for the new Millennium  (Book)
1 edition published in 1996 in English and held by 201 libraries worldwide

Occupational entry : library and information science students’ attitudes, demographics and aspirations survey  by Kathleen de la Peña McCook  (Book)
2 editions published in 1989 in English and held by 117 libraries worldwide

A guide to the ANSI/NISO Z39.50 protocol : information retrieval in the information infrastructure  by William E Moen  (Book)
4 editions published in 1995 in English and held by 115 libraries worldwide
Books to Read  The World's classic literature at your fingertips. Over 1,000,000 free ebook titles available.

Books to Borrow  Here's a sample of recently returned books from the eBook lending library.
Abraham Lincoln
12 February 1809 - 15 April 1865

Abraham Lincoln served as the 16th President of the United States from March 1861 until his assassination in April 1865. As an outspoken opponent of the expansion of slavery in the United States, Lincoln won the Republican Party nomination in 1860 and was elected president later that year. - Wikipedia

The Library of Congress has shared lots of photographs of Abraham Lincoln in the Flickr Commons.

557 works Add another?
Most Editions | First Published | Most Recent

The writings of Abraham Lincoln
49 editions – first published in 1888

Life and works of Abraham Lincoln
33 editions – first published in 1907

Complete works of Abraham Lincoln
31 editions – first published in 1894

The Lincoln–Douglas debates
20 editions – first published in 1905

SUBJECTS
Accessible book, Politics and government, History, Presidents, Oratory, Quotations, Correspondence, Political and social views, Biography, Slavery, Lincoln–Douglas Debates, Ill., 1858, Anniversaries, Political career before 1861, Sources, United States, Protected DAISY, Written works, Foreign relations, Portraits, Temperance, Lincoln–Douglas debates, 1858, Slaves, Views on temperance, Quotations, maxims, Emancipation

PLACES
United States, Illinois, Pennsylvania, Gettysburg, Kansas, Springfield, Abraham Lincoln Birthplace National Historic Site (Ky.),
David Eddings was born in Washington State in 1931 and grew up near Seattle. He graduated from the University of Washington and went on to serve in the US Army. Subsequently, he worked as a buyer for the Boeing Aircraft Company and taught college-level English. His career as a fantasy writer, with his wife Leigh, has been spectacular.
The Six Parts Seven was an American post-rock band formerly based in Kent, Ohio. The band was founded in 1995 by brothers Allen and Jay Karpinski (playing guitar and drums, respectively), who had earlier played with Old Hearts Club, a band of similar style (but with vocals). In 1998, Tim Gerak was added to the core member line-up, playing guitar and also credited with additional engineering on the band's later recordings.

Discography

### Album

<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Artist</th>
<th>Rating</th>
<th>Releases</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999</td>
<td>...In Lines and Patterns</td>
<td>The Six Parts Seven</td>
<td>★★★★★</td>
<td>1</td>
</tr>
<tr>
<td>2000</td>
<td>Silence Magnifies Sound</td>
<td>The Six Parts Seven</td>
<td>★★★★★</td>
<td>1</td>
</tr>
<tr>
<td>2002</td>
<td>Things Shaped in Passing</td>
<td>The Six Parts Seven</td>
<td>★★★★★</td>
<td>1</td>
</tr>
<tr>
<td>2003</td>
<td>Lost Notes From Forgotten Songs</td>
<td>The Six Parts Seven</td>
<td>★★★★★</td>
<td>1</td>
</tr>
<tr>
<td>2004</td>
<td>Everywhere and Right Here</td>
<td>The Six Parts Seven</td>
<td>★★★★★</td>
<td>1</td>
</tr>
<tr>
<td>2007</td>
<td>Casually Smashed to Pieces</td>
<td>Six Parts Seven</td>
<td>★★★★</td>
<td>2</td>
</tr>
</tbody>
</table>

### EP

<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Artist</th>
<th>Rating</th>
<th>Releases</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>The Attitudes of Collapse</td>
<td>The Six Parts Seven</td>
<td>★★★★★</td>
<td>1</td>
</tr>
</tbody>
</table>

Showing release groups by this artist. Show Various Artist release groups instead.
Often these require more data than is available in a typical IR
This is where connections and links between various systems become increasingly powerful
Libraries and IRs can play an important role in the LOD community by stepping up to manage their local name authority.
Focus on names you use
not names you could use
In the end name authority is work
But there are significant benefits to users
(and to us)
Thank You.

mark.phillips@unt.edu

http://digital2.library.unt.edu/name/