

# *Stringing Us Along*



From Traditional Authorities to Identity Management in Library  
Technical Services

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# Raise your hand...

How many of you perform authority work?

How many of you participate in NACO and contribute to the LC NAF?

How many of you create NARs or maintain lists of names outside of the LC NAF?



And...so then what are some of the reasons you needed to create a list of names outside of the LC NAF?

My authorities story.




# Palisot de Beauvois


Palisot of Beauvois, Ambrose-Marie-François-Joseph 1752-1820    


Palisot of Beauvois, Ambroise-Marie-François-Joseph (1752-1820)  

Palisot of Beauvois, Ambroise-Marie-François-Joseph 175.-1820 

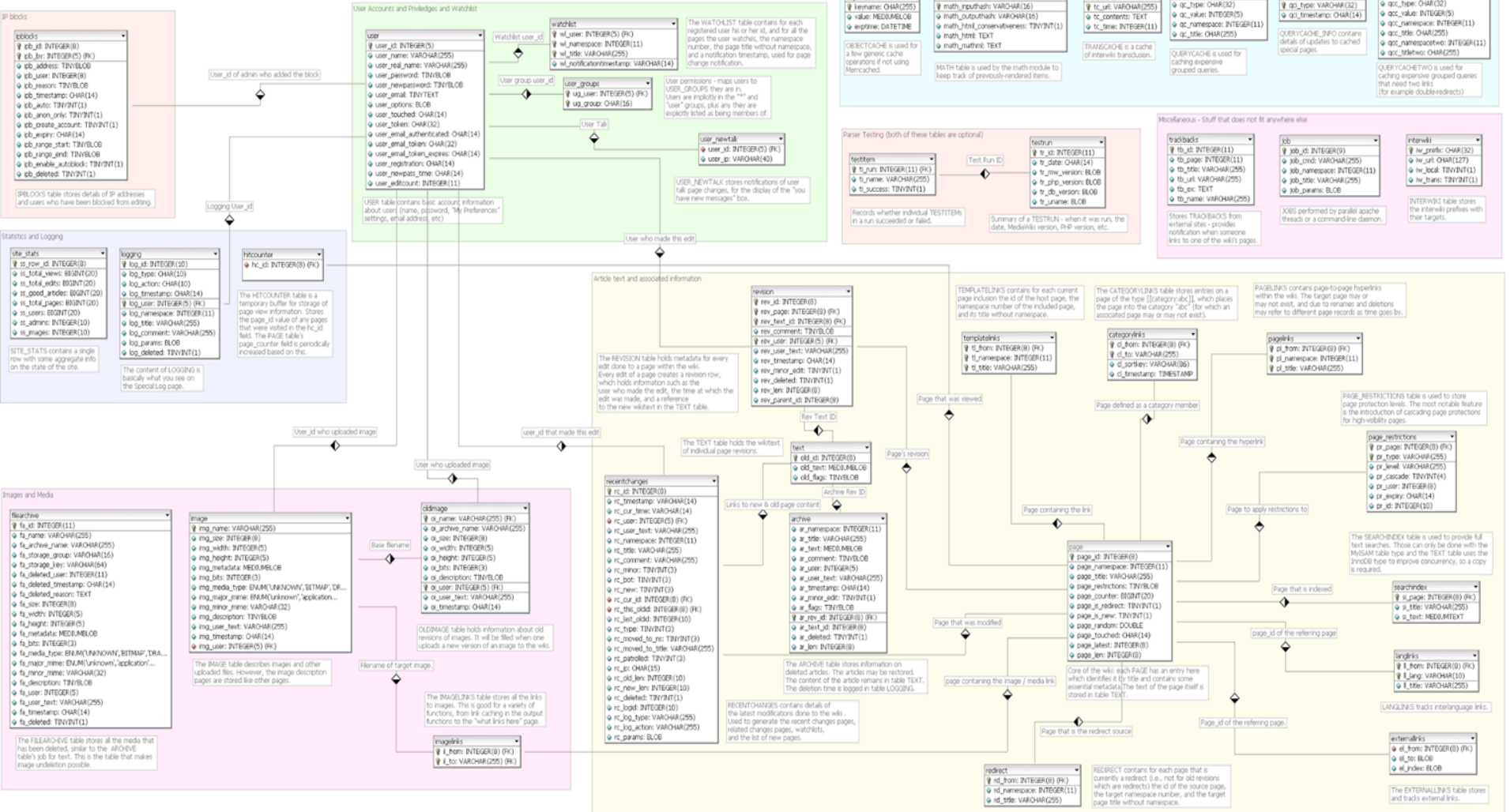
Ambroise Marie Francois Joseph Palisot of Beauvois 

Palisot De Beauvois, Ambroise-Marie-François-Joseph 

Palisot de Beauvois, AMFJ (Ambroise Marie Francis Joseph), 1752-1820 

Palisot de Beauvois, Ambroise Marie F ... J ... 1752-1820 





RESULTS (16/30)

Editing Individual:  
Lucy R Lippard (30)



Created  
1 year, 1 month ago by  
CollectiveAccess Administrator  
Last changed  
1 year, 1 month ago by  
CollectiveAccess Administrator

[1 related object](#)

BASIC INFO

CONTACT INFO

RELATIONSHIPS

SUMMARY

LOG

Save Cancel Delete

Entity Identifier

30

Name

Prefix	Forename	Middle Name	Surname/organization	Suffix
	Lucy	R	Lippard	
Other forenames		Display name		
		Lucy R Lippard		

Alternate Name

Prefix	Forename	Middle Name	Surname/organization	Suffix
Type	Other forenames	Display name		
alternate				

+ Add label

Entity Dates

Creating new Archival Item

TYPE-SPECIFIC METADATA

MEDIA

CONDITION

RELATIONSHIPS

ADMINISTRATIVE METADATA

SUMMARY

Library of Congress Subject Headings

Cataloging

Cataloging

Names, Personal (Cataloging)

LC/Guild Cataloging Services Discussion Group

Cooperative Cataloging Project (Library of Congress)

Corporate headings (Cataloging)

United States, Library of Congress, Special Materials Cataloging Division

Program for Cooperative Cataloging

United States, Library of Congress, Social Sciences Cataloging Division

Monographic supplement ... to Cataloging & classification quarterly

University of Akron, Bierce Library, Music Cataloging Unit

United States, Library of Congress, Regional and Cooperative Cataloging Division

Library of Congress. Shared Cataloging Division

Playaway Cataloging Joint Task Force

GENDI (U.S.). Cataloging Committee

Fresno County Public Library. Cataloging Services

American Library Association. Committee on Descriptive Cataloging

NELINET Quality Control & Cataloging Advisory Committee

Cataloging of electronic journals

Online Audiovisual Catalogers, Inc. DVD/Blu-ray RDA Cataloging Task Force

HQ Cataloging and Standardization Center (U.S.)

Ezra Stiles Cataloging Project

American Library Association. Cataloging of Children's Materials Committee

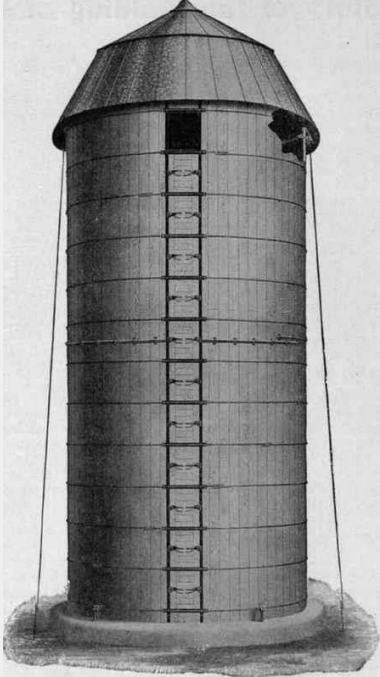




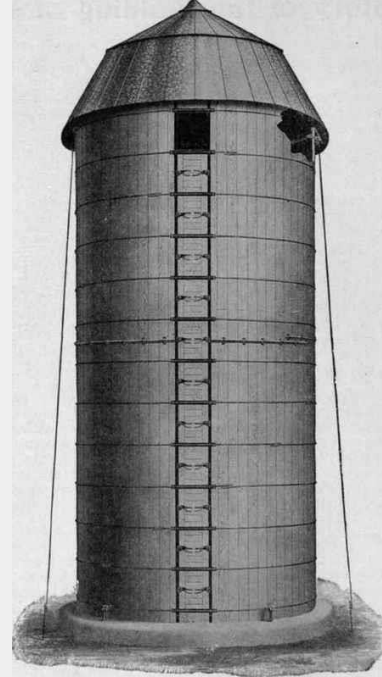
Keys are key.

and then...

Academic Libraries



Bibliographic Data



Authority Data



GLOBAL HEADINGS CHANGE QUEUE



**\*SOME\* GLOBAL HEADINGS CHANGE**



# Issues with the current system (LCNAF + NACO)

- NARs are complex
- It requires extensive training to make them
- The research for a single NAR can be time consuming

# Issues with the current system (LCNAF + NACO)

- Creating NARs for the LCNAF requires proprietary and expensive software
  - Limits participation
  - Reduces the number of names
  - Inhibits access to collections and therefore further hides already hidden collections



# Issues with the current system (LCNAF + NACO)

- Limited to only a single preferred label for an identity
- Cannot discretely declare different languages for labels
- Based on redundant workflows and catalogers' (biased) judgement
  - Why not leverage existing data?
  - Why not use publisher's author questionnaires? Let the individuals describe themselves?
  - Why recreate metadata that already exists in another datasource?



Same silo, different farm.

# PCC Task Group on Identity Management in NACO

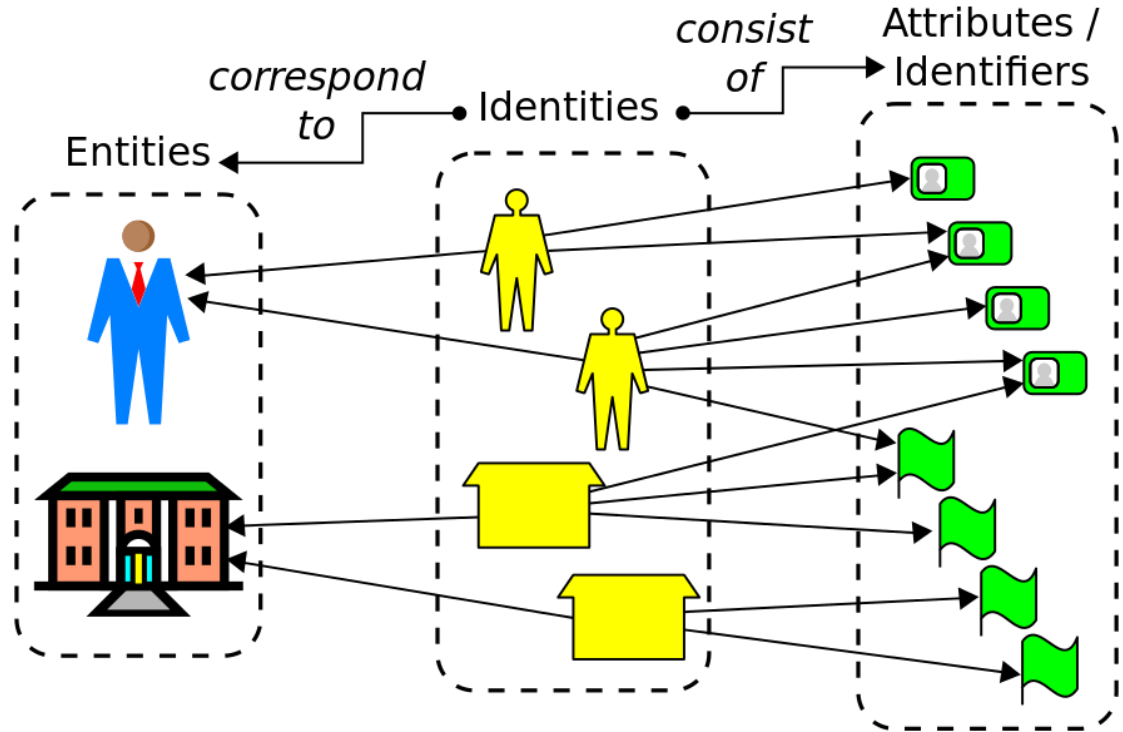
# **Charge of the PCC Task Group on Identity Management in NACO: Background & Issues**

The PCC Vision, Mission and Strategic Directions document, 2015-2017, Strategic Direction 3 is: “Provide leadership for the shift in authority control from an approach primarily based on creating text strings to one focused on managing identities and entities.”

The PCC is well positioned to be a leader in this effort to provide a framework for coordination, consultation, and education in the realm of identity management.

# Definitions

**Authority control** manages access to entities by authorizing a specific form of name or other term for access use.



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# Definitions

**Identity management** operates by associating a registered identifier with characterizing data which specify a single identity or identified entity. It is distinguished by its focus on differentiating entities through the use of identifiers. Differentiation of names is of secondary importance and may be accomplished by assigning numbering to or concatenating identifying information with instances of the same name in presentation contexts.

# Use Case #1

Title (Goal): **Direct Search for Information about a Name**

Primary Stakeholders: Public, Internal Users



Scope: Discovery

Priority: High

# Use Case #2

Title (Goal): **Indirect Search for a Name/Discover experts in specific fields**

Primary Stakeholders: Public, Researchers



Scope: Discovery, reconciliation against external data sources

Priority: Medium



# Use Case #3

Title (Goal): Reputation Management Support/Scholarly Citation Harvesting

Primary Stakeholders: Administrators, Researchers



Scope: Data gathering, metrics

Priority: High

# Use Case #4

Title (Goal): **Genealogical research**

Primary Stakeholders: Genealogists



Scope: Discovery

Priority: High for archives and public libraries; Medium (low?) for academic libraries

# Use Case #5

Title (Goal): **Connecting Experts**

Primary Stakeholders: Public, academic, economic developers, business leaders, researchers, and administrators



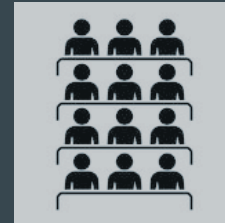
Scope: Discovery

Priority: Medium?

# Use Case #6

Title (Goal): **Researcher profiles**

Primary Stakeholders: Academics, marketing, student groups



Scope: Discovery

Priority: High

# Use Case #7

Title (Goal): **Digitization Crosswalks**

Primary Stakeholders: Internal users



Scope: Authority, Content Standards

Priority: Medium

# Use Case #8

Title (Goal): **Remixing Data for Digital Objects**

Primary Stakeholders: Internal users



Scope: Authority control, batch processing, ingesting data

Priority: Medium

# Use Case #9

Title (Goal): **Record and discover creative and intellectual relationships**

Primary Stakeholders: Public, researchers



Scope: Authority control, reconciliation against external datasets

Priority: Medium

# The PCC-ISNI Pilot Study (aka NACO “Lite”)



# What is ISNI?

- International Standard Name Identifier
- ISO Standard (ISO 27729)
- Part of a family of international standard identifiers, e.g. DOI, ISAN, ISBN, ISRC, ISSN, ISTC, and ISWC.
- Acts as a “bridge” identifier
- Made up of 16 digits. One hundred thousand billion possible combinations.
  - <http://www.isni.org/00000000107791034>

# ISNI's mission

“The mission of the ISNI International Authority (ISNI-IA) is to assign to the public name(s) of a researcher, inventor, writer, artist, performer, publisher, etc. a persistent unique identifying number in order to resolve the problem of name ambiguity in search and discovery; and diffuse each assigned ISNI across all repertoires in the global supply chain so that every published work can be unambiguously attributed to its creator wherever that work is described.”

# Let's have a Party!

“A Public Identity is the name by which a Party is publicly known.”

- A Public Identity might have variant spellings, but all variants represent the single Public Identity.
  - A Party might have several Public Identities. Public Identities relating to a single Party will be issued separate ISNIs.
  - Links between multiple Public Identities shared by a Party can only be linked if authorized by the Party.
-

# How does ISNI work?

- ISNI is administered by the ISNI International Agency which is governed by the ISNI board and administered by OCLC
- ISNIs are issued through Registration Agencies (RAGs)
- RAGs pay a fee to access and edit the ISNI database. This fee covers ISNI's operation costs.
- RAGs interface between users and the ISNI International Agency
- Any business with a proven interest in the scope of ISNI can become a RAG
- ISNI holds public records of over 8.3 million identities.
- The ISNI database is a cross-domain resource, contributed to by 29 institutions and databases, and 40 major national and research libraries.

# The PCC is a RAG!

(Umbrella) Registration Agency for ISNI

<https://wiki.duraspace.org/display/PCCISNI/PCC+ISNI+Pilot+Home>

# PCC-ISNI Pilot

## Participating Institutions:

- Brown, University of Chicago, University of Colorado-Boulder, Columbia, Cornell, Harvard, Michigan State, Stanford, Stony Brook, Texas A&M, UC Davis , UCLA, and University of Wisconsin-Madison...and sort of now Bard!

## Goals:

- To develop an understanding of ISNI tools and systems, to create PCC documentation and training for its members, and to put in place member supports for cost-effective scaling of broader PCC involvement in ISNI.

# PCC ISNI Pilot

Joint Areas of Focus:

- API review/testing
- Batch processing template/workflow
- Documentation & training
- ISNI maintenance best practices
- Workflow & tools best practices

# PCC ISNI Pilot

“The experience of having PCC metadata librarians working in ISNI would generate information for all parties to understand the characteristics (tools, services, workflows, training & documentation) necessary for a sustainable, affordable and effective long-range PCC membership agreement beyond the pilot.”

<https://wiki.duraspace.org/display/PCCISNI/PCC+ISNI+Pilot+Home>



# Metadata Required for an ISNI of a Public Identity

- Name of the Public identity
- Date and place of birth and or death (or registration and dissolution for legal entities)
- Class and Roles as defined by the RA. Classes define the repertoire (such as Musical, Audio-Visual, Textual) and Roles can be Author, Performer, Publisher, Illustrator, etc.
- Title of reference to a creation
- A URI (or URL) providing a link to more detailed information about the Public Identity.

## Welcome to ISNI

Before you can search you have to identify yourself.

Please type your **name/number** and **password** and click the **send** button.

name/number

password

save password

Your login and password will be saved in a cookie on this computer for a certain period of time.

If you log in from a shared computer, you are advised not to use the option **save password**.

By using this service you agree that cookies may be stored on your device. Click [here](#) for more information on these cookies.

ISNI runs test and production databases

search [and] Any Phrase (APH:) sort by name

[less](#)

approximate search



User id: COLUMBIA | [log in](#) | [logout](#)

**Welcome to ISNI**

This is the portal to ISNI

Opening “home” screen

### **View of WebCat functions**

Here is the list with available WebCat forms. Please pick the appropriate form for the record you want to create or edit.

[Add an identity: organisation](#)

[Add an identity: person or fictional character](#)

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You can add new identities for organizations or persons/fictional characters

	<b>Identifier</b>	Identifier type	Identifier
		PCC	
	<b>Name</b>	fornames	surname
		Amber Michelle	Billey
		numeration	title
	<b>Dates</b>	birth	death
		1982-11-29 <i>i</i>	
-	<b>Creation class</b>	text <i>i</i>	
+	<b>Creation class</b>	art works <i>i</i>	
-	<b>Creation role</b>	author	
+	<b>Creation role</b>	artist	
+	<b>Work</b>	title	
		What's Gender Got to Do With It?	
		subtitle	
		A Critique of RDA Rule 9.7	
+	<b>Instrument</b>		
+	<b>Contributed to or performed</b>	title	
+	<b>Name variant</b>	fornames	surname
		numeration	title


Sample new identity

<b>-</b>	<b>Related person</b>	fornames Emily	surname Drabinski
	<b>Relation</b>	is related related	Relationship type co-author
	<b>Relationship dates</b>	begin	end
	<b>PPN</b>	383691523	
<b>+</b>	<b>Related person</b>	fornames K. R.	surname Roberto
	<b>Relation</b>	is related related	Relationship type co-author
	<b>Relationship dates</b>	begin	end
	<b>PPN</b>	81890527	
<b>+</b>	<b>Related organisation</b>	name	
	<b>Relation</b>	is related -- select one --	Relationship type -- select one --
	<b>Relationship dates</b>	begin	end
	<b>PPN</b>		
<b>+</b>	<b>Language</b>	eng <small>i</small>	
	<b>Gender</b>	female	
<b>+</b>	<b>Nationality</b>	US	
<b>+</b>	<b>External Information</b>	Information	URI
<b>+</b>	<b>General note</b>		

Sample new identity continued


shortlist	<b>title data</b>	search history
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**results** PPN 462350347 | 1 hits

 ---> 462350347OK

<b>labels</b>	sources data	marc21
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[edit record](#)  
[save](#)



**ISNI:** 0000 0004 6235 0348

**Name:** Billey, Amber Michelle

**Dates:** born 1982-11-29

**Creation class:** text

**Creation role:** author

**Related names:** [Drabinski, Emily](#) (co-author)  
[Roberto, K. R.](#) (co-author)

**Titles:** What's Gender Got to Do With It? : A Critique of RDA Rule 9.7

**Notes:**

**Sources:** PCC

Saved example new identity

# Benefits of ISNI

- One key for them all
- ISO Standard
- Utilizing existing metadata sources and organizational structures

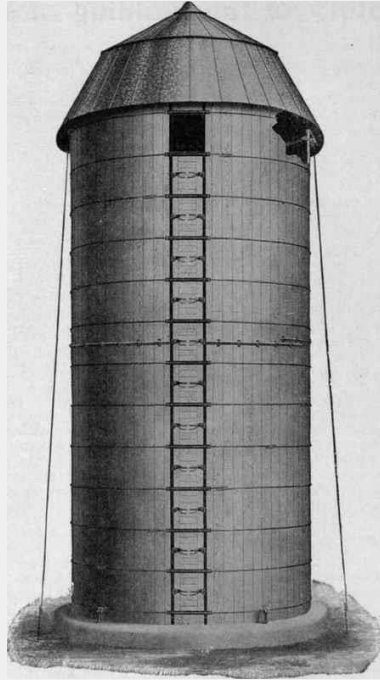


ISNI is a  
MASTER KEY



# Possible drawbacks of ISNI?

- Could OCLC buy it?
- Still “Pay to Play” barrier to participation
- No open way to query the data
- ILS software will need to utilize identifiers instead of strings
  - URIs in MARC



New silo, different kind of farm?

# WikiData

A possible (better) alternative to  
ISNI?

“Wikidata is a free and open  
knowledge base that can be read and  
edited by both humans and  
machines.?”

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# Acknowledgements

- PCC Identity Management in NACO Task Group Members
- NYTSL
- Colleagues at Columbia
- You! You're the best!

# Thanks!

Questions?

[abilley@bard.edu](mailto:abilley@bard.edu)