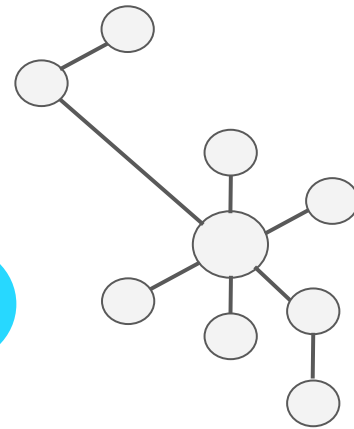
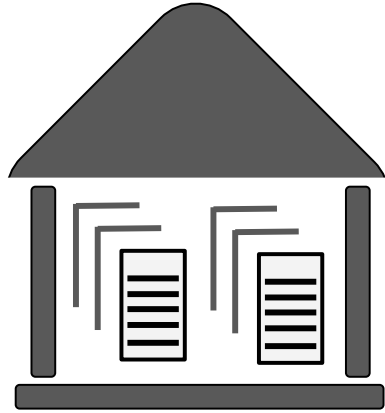


# Author Identifier Analysis: Name Authority Control in a Digital Repository

Marina Morgan  
Metadata Librarian  
Florida Southern College

# Quick Poll







**50+**

**Majors**

**3000+**

**Total  
Students**

**139**

**Full-Time  
Faculty**

**15:1**

**Student-to-  
Faculty Ratio**

**43+**

**Student Abroad  
Options**

**800k**

**Resources**

**10**

**Library Staff**

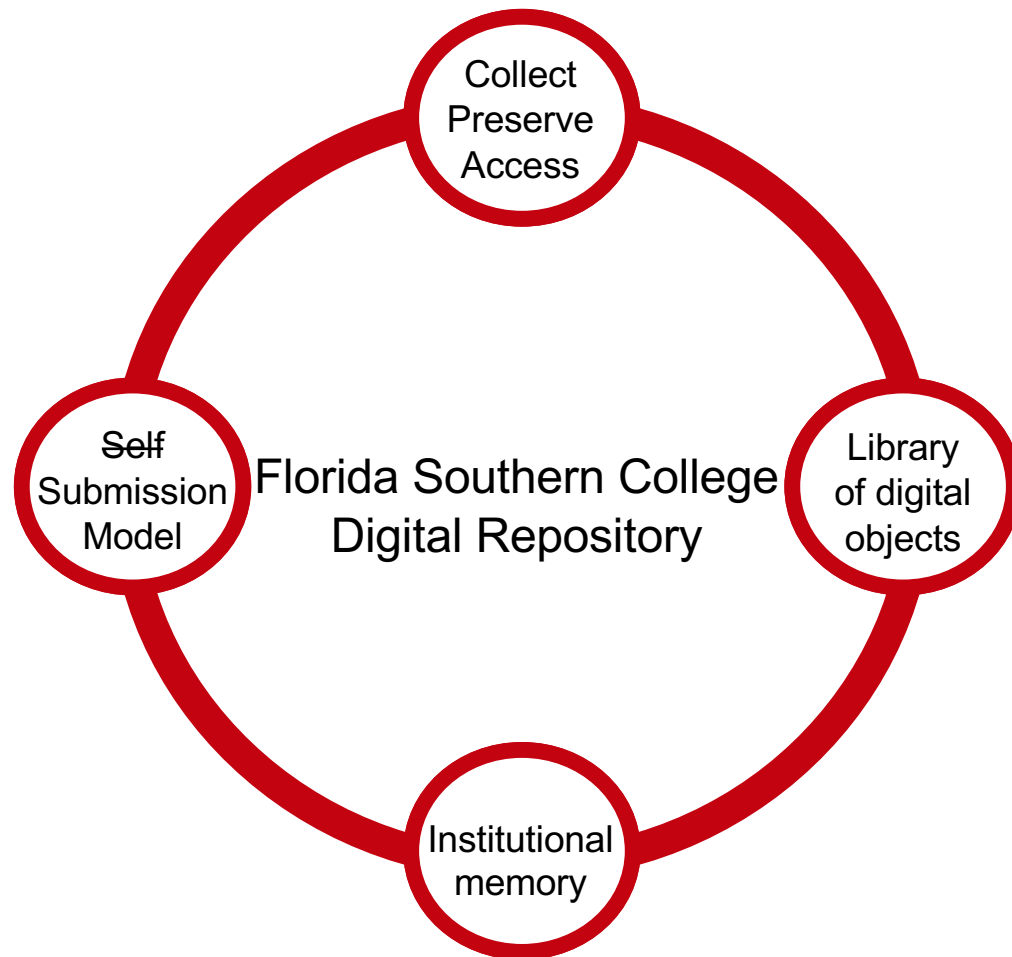
**3**

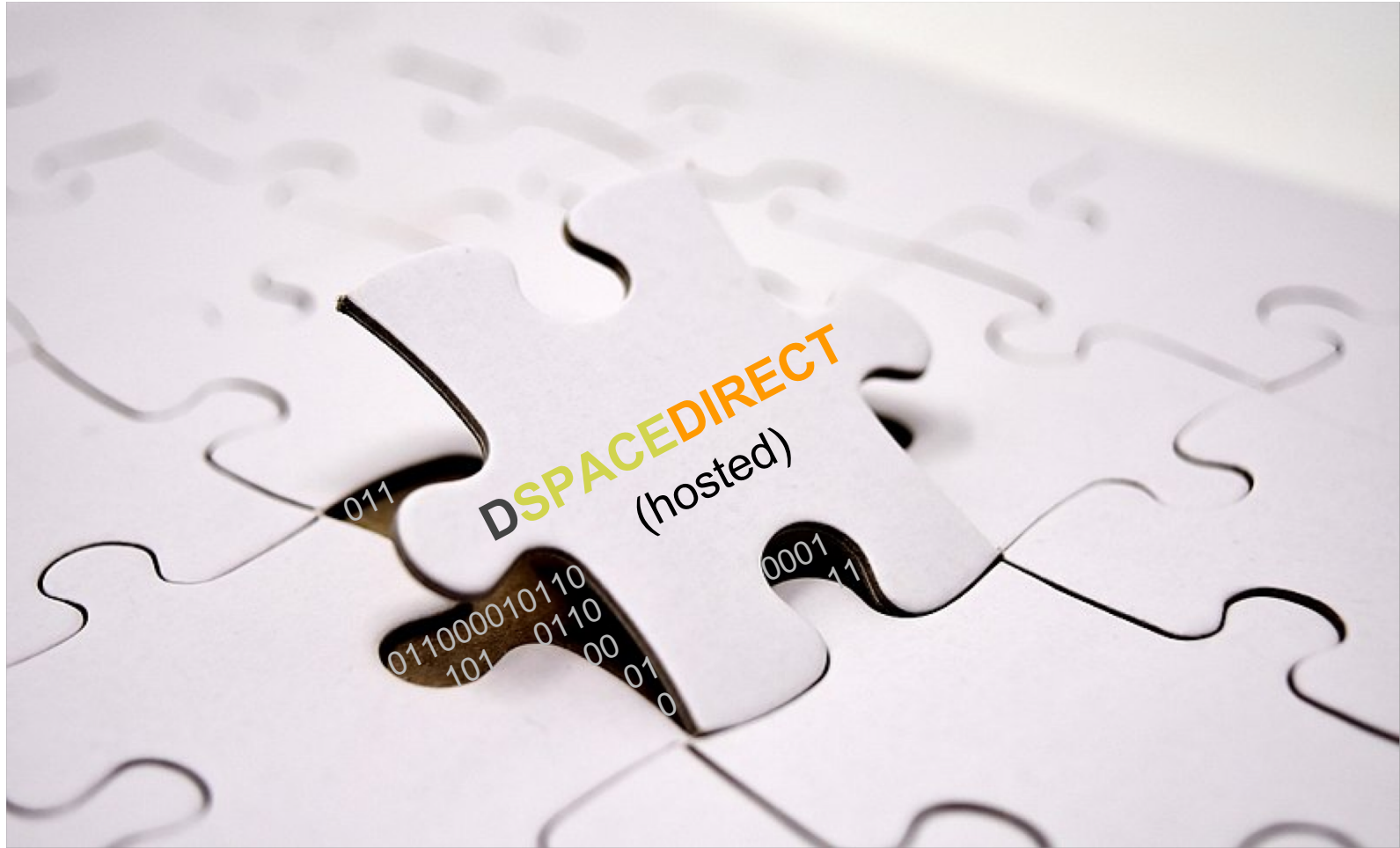
**Locations**

**1**

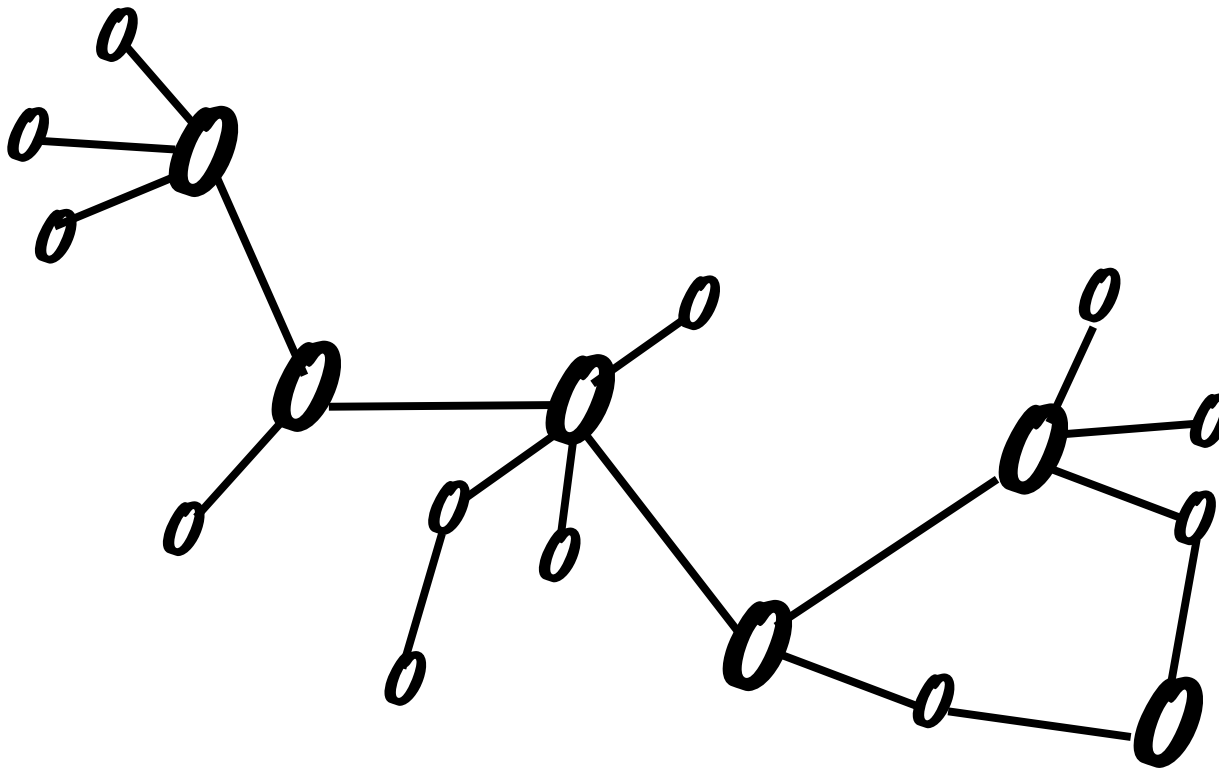
**Institutional  
Repository**







# Linked Data



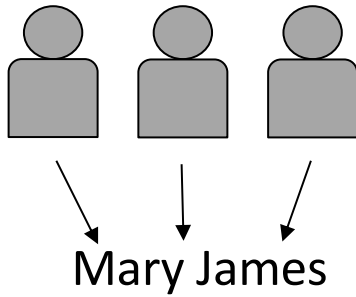
“You know who you are, but do others?”

“Of the more than 6 million authors in a major journal citations and abstracts database, more than two-thirds of them share a last name and single initial with another author, and an ambiguous name in the same database refers on average to eight people.”

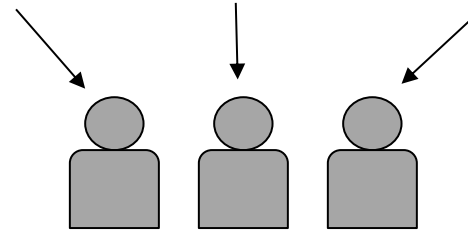
[https://www.ands.org.au/\\_data/assets/pdf\\_file/0004/388822/share-issue-18.pdf](https://www.ands.org.au/_data/assets/pdf_file/0004/388822/share-issue-18.pdf)

# Name Ambiguity

Author 1 Author 2 Author 3



Mary James M. James Mary James-Lin





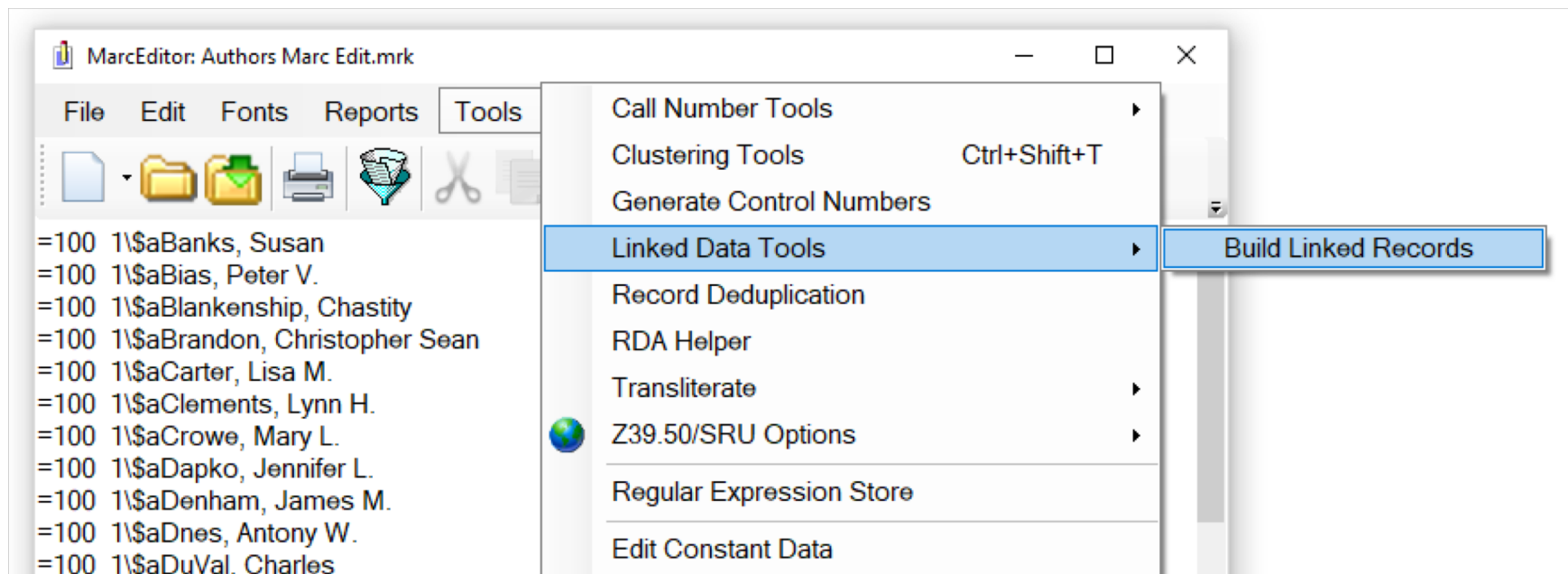
# Name Disambiguation Standards for IRs

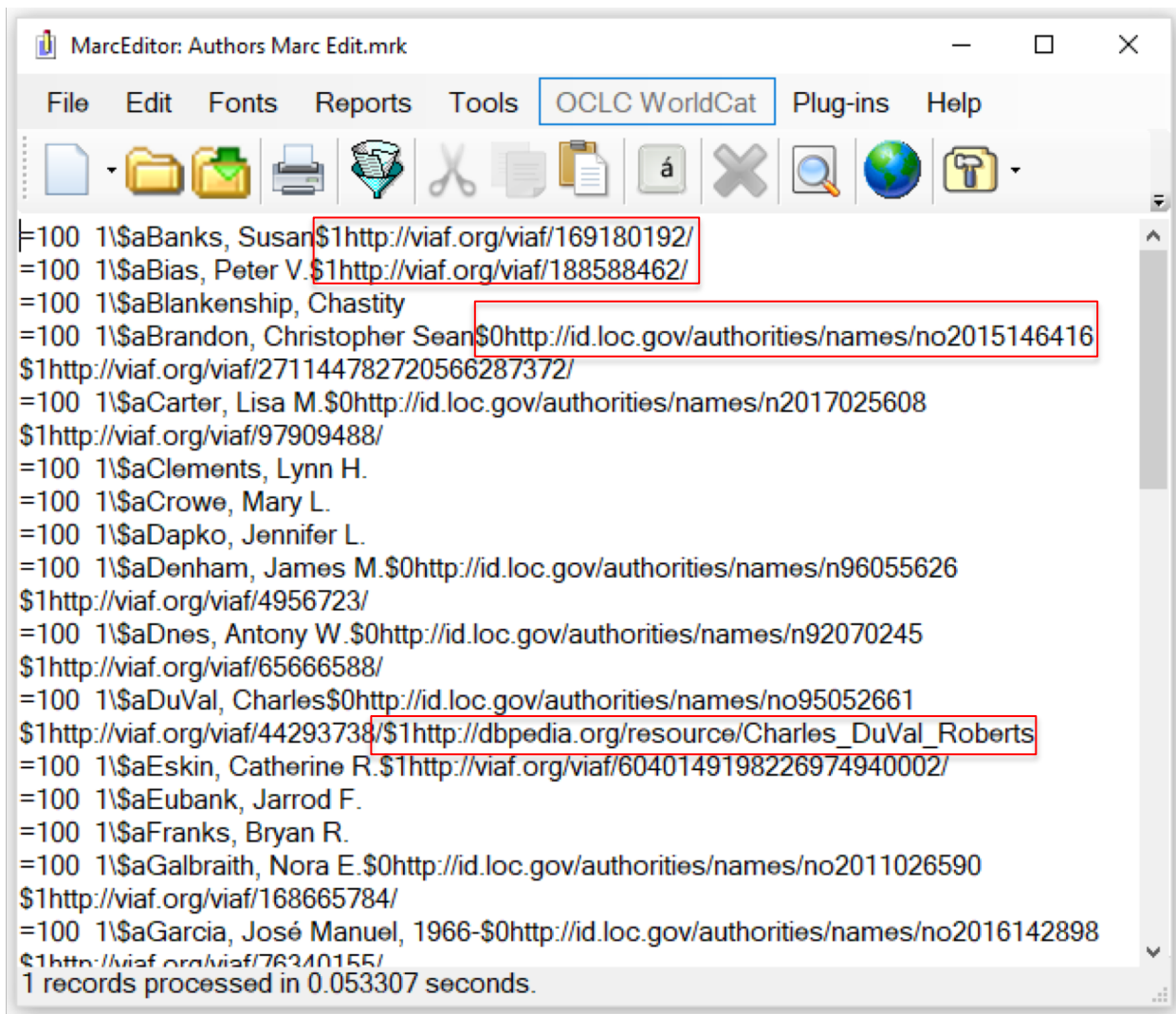
- No authority control for authors of journal articles
  - created by indexing databases or journal publishers
  - economic choice
  - very complex
  - time-consuming
- Metadata schemas with no authority control guidelines

# Author and Research Identifiers



# Build Linked Records - MarcEdit





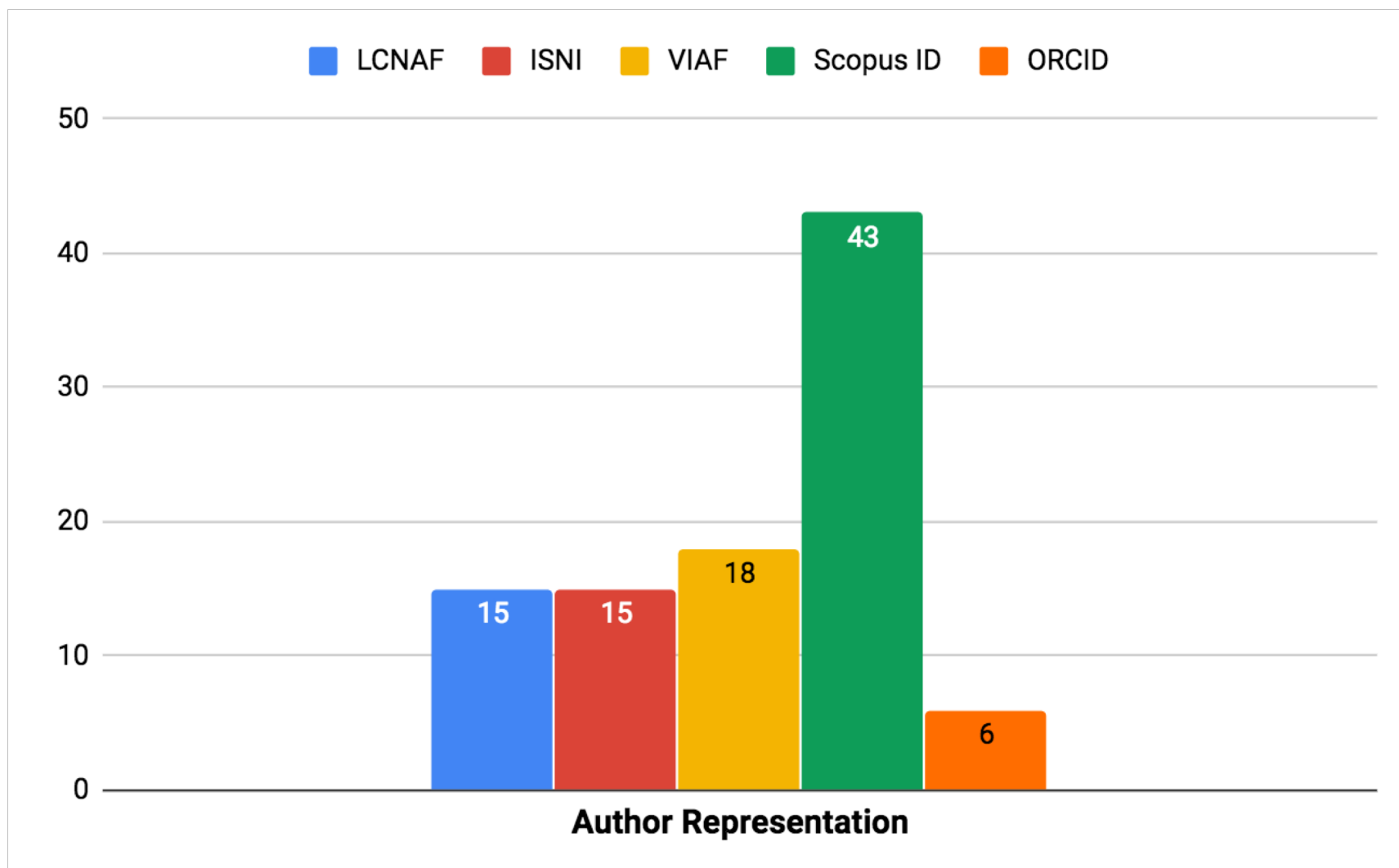
# Data Collection

Last Name, First Name	LC Name Authority File Identifier	ISNI	VIAF	Scopus Author ID	ORCID
<a href="#">Banks, Susan</a>	-	-	-	24079819400 56432241600	<a href="https://orcid.org/0000-0001-7088-4487">https://orcid.org/0000-0001-7088-4487</a>
<a href="#">Bias, Peter V.</a>	-	-	188588462 <a href="https://viaf.org/viaf/188588462">https://viaf.org/viaf/188588462</a>	56604935100	-
<a href="#">Blankenship, Chastity</a>	-	-	-	57193334108	-
<a href="#">Brandon, Christopher Sean</a>	no2015146416 <a href="http://id.loc.gov/authorities/names/no2015146416">http://id.loc.gov/authorities/names/no2015146416</a>	-	271144782720566287372 <a href="https://viaf.org/viaf/271144782720">https://viaf.org/viaf/271144782720</a>	55948206100	-
<a href="#">Carter, Lisa M.</a>	n2017025608 <a href="http://id.loc.gov/authorities/names/n2017025608">http://id.loc.gov/authorities/names/n2017025608</a>	-	51149415123289551576 <a href="https://viaf.org/viaf/511494151232">https://viaf.org/viaf/511494151232</a>	57200268491	-
<a href="#">Clements, Lynn H.</a>	-	0000 0001 2901 106X	-	56282109200	-
Crowe, Mary L.	-	-	-	35184773900	Not public [?]
Dapko, Jennifer L.	-	-	-	57076896600	-
<a href="#">Denham, James M.</a>	n96055626 <a href="http://id.loc.gov/authorities/names/n96055626">http://id.loc.gov/authorities/names/n96055626</a>	0000 0000 7328 4260	52019385 <a href="https://viaf.org/viaf/52019385">https://viaf.org/viaf/52019385</a>	57014738100	Not public [?]
<a href="#">Dnes, Anthony William</a>	n92070245 <a href="http://id.loc.gov/authorities/names/n92070245">http://id.loc.gov/authorities/names/n92070245</a>	0000 0000 6392 4770	65666588 <a href="https://viaf.org/viaf/65666588">https://viaf.org/viaf/65666588</a>	6506674939	-
<a href="#">DuVal, Charles</a>	-	-	7151431507356301502 <a href="https://viaf.org/viaf/715143150735">https://viaf.org/viaf/715143150735</a>	57192651361 55753883100	-
<a href="#">Eskin, Catherine R.</a>	-	-	6040149198226974940002 <a href="https://viaf.org/viaf/604014919822">https://viaf.org/viaf/604014919822</a>	57189408658	-
<a href="#">Eubank, Jarrod F.</a>	-	0000 0001 2808 9711	-	8596223100	Not public [?]
Franks, Bryan R.	-	-	-	24171179500	-
<a href="#">Galbraith, Nora E.</a>	no2011026590 <a href="http://id.loc.gov/authorities/names/no2011026590">http://id.loc.gov/authorities/names/no2011026590</a>	0000 0001 1548 9652	168665784 <a href="https://viaf.org/viaf/168665784">https://viaf.org/viaf/168665784</a>	-	-

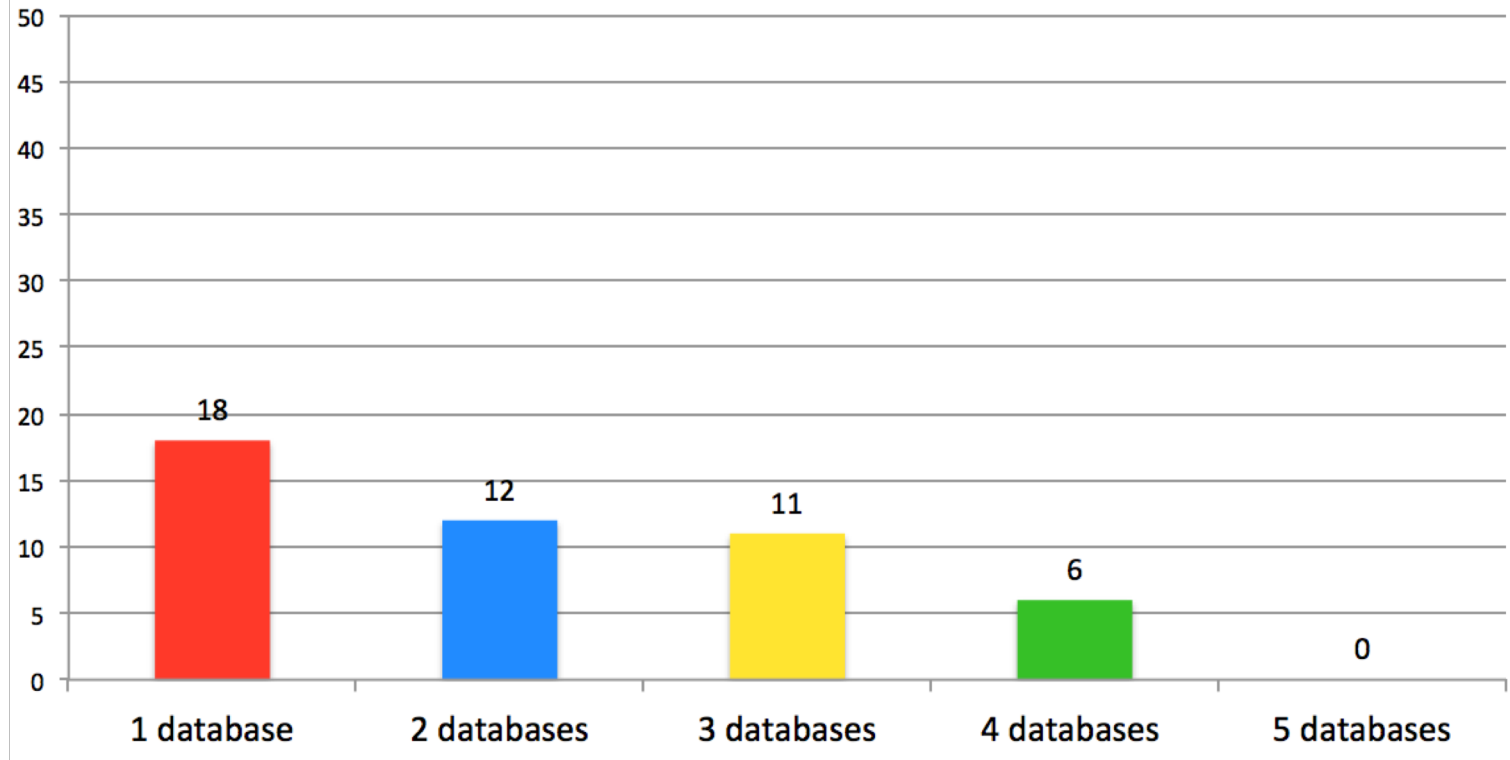


	0 DB	1 DB	2 DB
No database	3		
LCNAF		0	
Scopus		18	
ORCID		0	
VIAF		0	
ISNI		0	
LCNAF and Scopus			0
LCNAF and ORCID			0
LCNAF and VIAF			0
LCNAF and ISNI			0
Scopus and ORCID			4
Scopus and VIAF			3
Scopus and ISNI			5
ORCID and VIAF			0
ORCID and ISNI			0
VIAF and ISNI			0

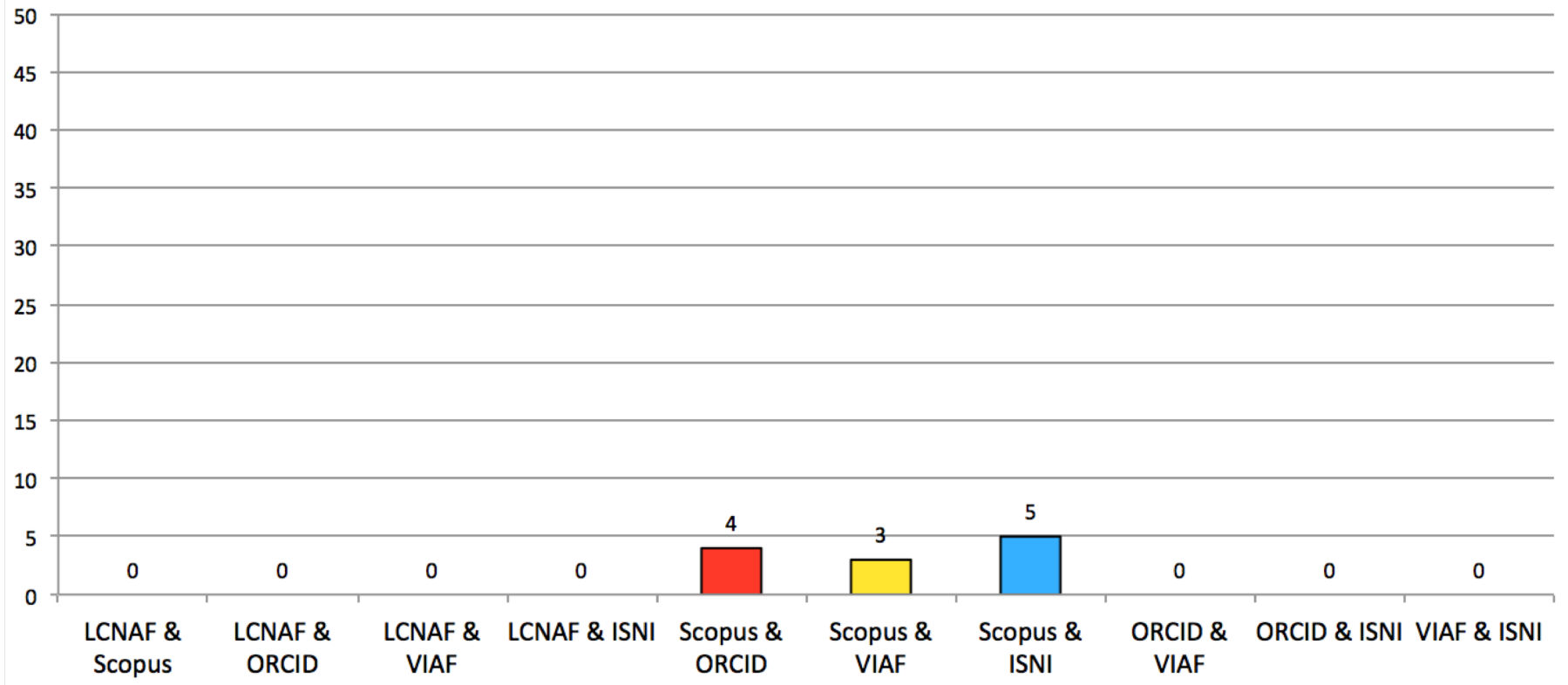
	3 DB	4 DB	5 DB
LCNAF, Scopus, and ORCID	0		
LCNAF, Scopus, and VIAF	6		
LCNAF, Scopus, and ISNI	0		
LCNAF, ORCID, and VIAF	0		
LCNAF, ORCID, and ISNI	0		
Scopus, ORCID, and VIAF	0		
Scopus, ORCID, and ISNI	1		
Scopus, VIAF, and ISNI	0		
LCNAF, VIAF, and ISNI	4		
ORCID, VIAF, and ISNI	0		
LCNAF, Scopus, ORCID, and VIAF		1	
LCNAF, Scopus, ORCID, and ISNI		0	
LCNAF, Scopus, VIAF, and ISNI		5	
LCNAF, ORCID, VIAF, and ISNI		0	
Scopus, ORCID, VIAF, and ISNI		0	
LCNAF, Scopus, ORCID, VIAF, and ISNI			0



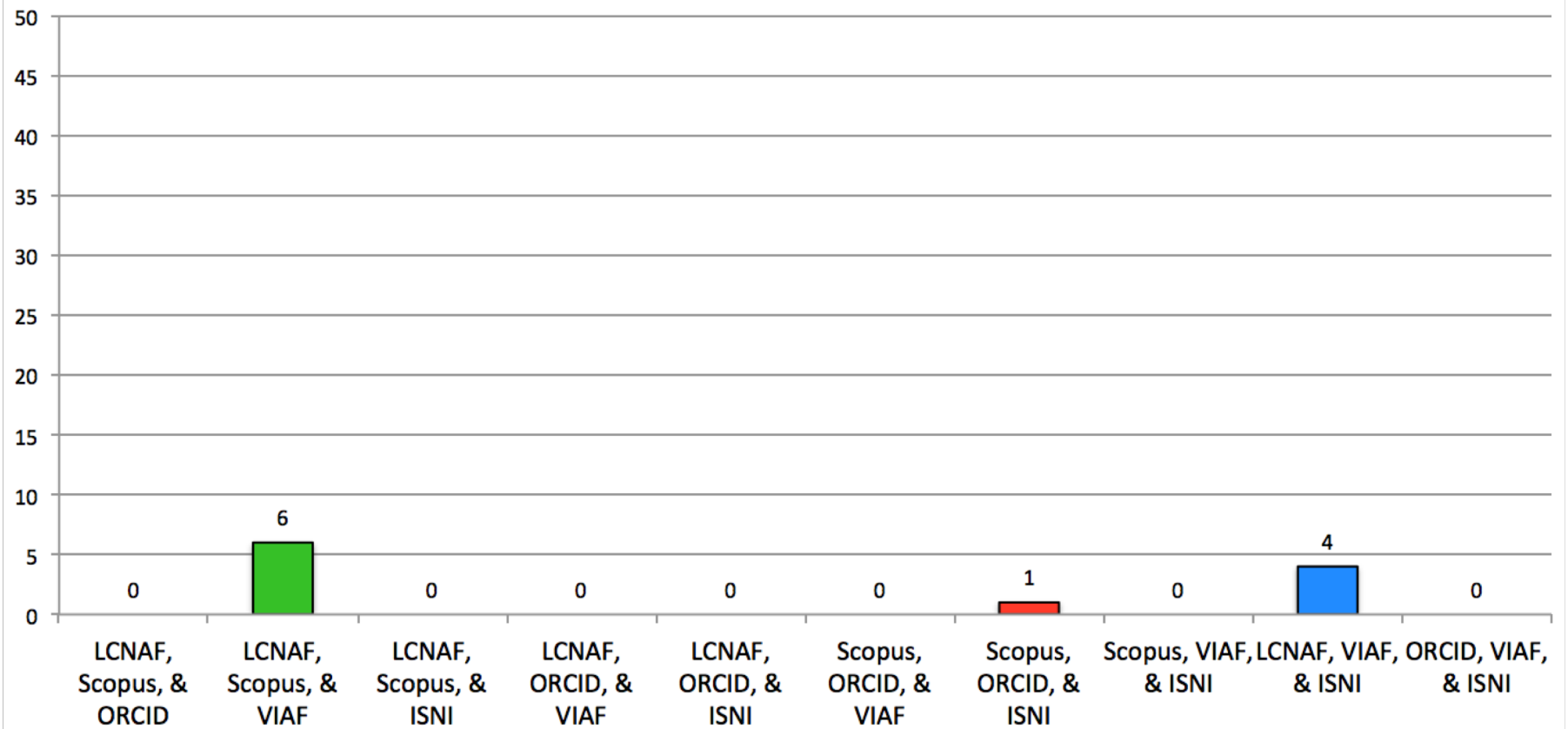
## Overall Author Representation



## Representation in 2 DB combinations

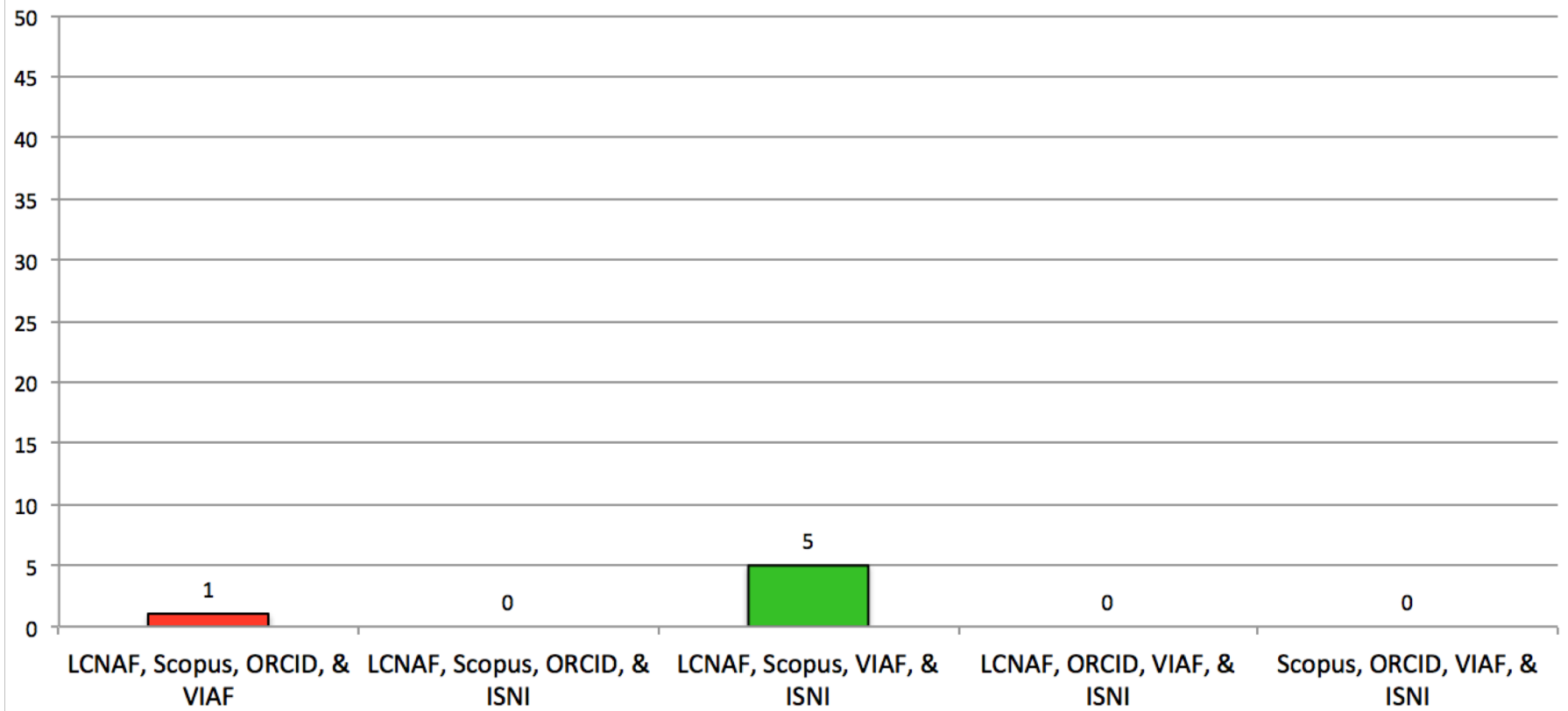


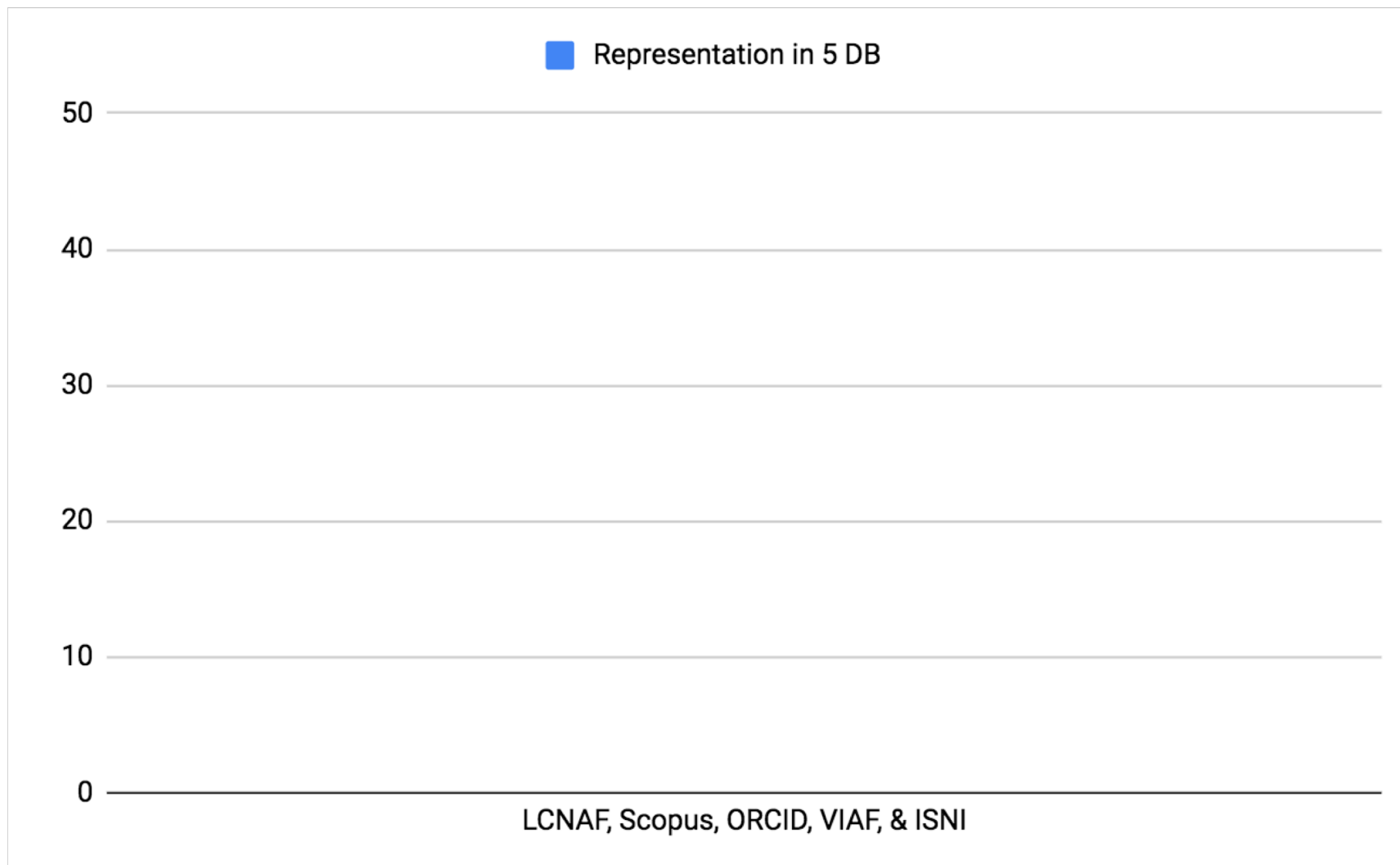
## Representation in 3 DB combinations





## Representation in 4 DB





# Lessons Learned

- Different disciplines have different results
- Beware of the algorithms
- Science faculty scored lower on LCNAF and higher in Scopus
- Humanities faculty scored higher in LCNAF

From [Library of Congress Name Authority File](#)

**Denham, James M.**

URI(s)

> <http://id.loc.gov/authorities/names/n96055626>

Instance Of

> [MADS/RDF PersonalName](#)  
> [MADS/RDF Authority](#)  
> [SKOS Concept](#) ↗

Scheme Membership(s)

> [Library of Congress Name Authority File](#)


Collection Membership(s)

> [Names Collection - Authorized Headings](#)  
> [LC Names Collection - General Collection](#)

Additional Information

> <http://id.loc.gov/rwo/agents/n96055626>

Exact Matching Concepts from Other Schemes

>  <http://viaf.org/viaf/sourceID/LC%7Cn+96055626#skos:Concept> ↗

Sources

> found: "A rogue's paradise", 1997:CIP t.p. (James M. Denham)  
> found: Cracker times and pioneer lives, c2000:CIP t.p. (James M. Denham, 1957)

Change Notes

> 1996-06-06: new  
> 2000-02-04: revised

**ISNI:**

0000 0000 6392 4770

**Name:**

**Dnes, A. W.**

**Dnes, Antony**

**Dnes, Antony W.**

ドゥネス, アントニィ・W

**Creation class:**

article

Audio-Visual

Language material

text

txt

**Creation role:**

author

contributor

editor

**Related names:**

Binner, Jane M

**Dnes, A W**

**Dnes, A. W.**

**Dnes, Antony**

**Dnes, Antony W**

**Dnes, Antony W et al**

**Dnes, Antony W.**

**Dnes, AW**

**Dnes', Antony W**

**Dnes', Antony W.**

# VIAF

Same person, 3 different IDs

	Heading
1	<a href="#">Dnes, Antony W.</a>    
2	<a href="#">Dnes, Antony W.</a>  <a href="#">Antony W. Dnes</a> 
3	<a href="#">Dnes, Antony W</a> 

**Dnes, Antony W.**



VIAF ID: 65666588 (Personal)

Permalink: <http://viaf.org/viaf/65666588>

**Dnes, Antony W.**



**Antony W. Dnes**



VIAF ID: 249368551 (Personal)

Permalink: <http://viaf.org/viaf/249368551>

**Dnes, Antony W**



VIAF ID: 275269559 (Personal)

Permalink: <http://viaf.org/viaf/275269559>




49	<a href="#">DuVal, Charles</a>  _	Personal
50	<a href="#">Duval, Charles, 1879-....</a>  _	Personal
51	<a href="#">Duval, Charles</a>  _	Personal
52	<a href="#">Duval, Charles</a>  _	Personal
53	<a href="#">Duval, Charles</a>  _	Personal
54	<a href="#">Duval, Charles</a>  _	Personal
55	<a href="#">Duval, Charles</a>  _	Personal
56	<a href="#">Duval, Charles W.</a>  _	Personal
57	<a href="#">Duval, Charles</a>  _	Personal

# SCOPUS ID

	Author	Documents	Subject area	Affiliation	City	Country/Territory
<input type="checkbox"/> 1	Banks-Schlegel, Susan P. Banks-Schlegel, Susan Banks-Schlegel, S. Banks Schlegel, S.  View last title ▾	58	Medicine ; Biochemistry, Genetics and Molecular Biology ; Immunology and Microbiology; ...	National Heart, Lung, and Blood Institute	Bethesda	United States
<input type="checkbox"/> 2	Banks, Susan M. Banks, S. Banks, S. M. Banks, Susan  View last title ▾	12	Medicine ; Biochemistry, Genetics and Molecular Biology ; Agricultural and Biological Sciences; ...	Naval Medical Center - Portsmouth	Portsmouth	United States
<input type="checkbox"/> 3	Banks, Susan P. Banks, S. P.  View last title ▾	5	Biochemistry, Genetics and Molecular Biology ; Medicine ; Neuroscience; ...	Northwestern University Feinberg School of Medicine	Chicago	United States
<input type="checkbox"/> 4	Banks, Susan M.L.  View last title ▾	5	Biochemistry, Genetics and Molecular Biology ; Agricultural and Biological Sciences ; Medicine; ...	Marine Biological Laboratory	Woods Hole	United States
<input type="checkbox"/> 5	Banks-Schlegel, Susan P.  View last title ▾	1	Medicine ; Biochemistry, Genetics and Molecular Biology	National Cancer Institute	Bethesda	United States

ORCID is **NOT**  
a social media platform



Connecting Research  
and Researchers

EDIT YOUR RECORD

ABOUT ORCID

**Red Rose Salon  
Braselton**

No public information available.  
*Record last modified Nov 27, 2018 10:55:15 AM*

ORCID ID  
<https://orcid.org/0000-0003-3446-6274>

Print view

Websites ☐  
We, Red rose salon Braselton ladies & gentlemen hair salon serve you with the best deal in Hoschton. You can experiment with different types of hair color at our salon. Our professionals are always ready to help you if you feel confused about your hairstyle. Our pro workers will give you the style according to your face that will perfectly suit you.

Country ☐  
United States

Keywords ☐  
hair salons specializing in color

## Jarrold Eubank

No public information available.

### ORCID ID

 <https://orcid.org/0000-0001-9438-8883>

Record last modified Jun 6, 2016 3:29:36 PM

 Print view?

### Country

United States



### Keywords

MOFs, hybrid materials, porous materials



FSC faculty

## Lisa Carter

### ORCID ID

 <https://orcid.org/0000-0003-1321-8191>

 Print view?

Not FSC faculty

### Biography

Hi friends here Lisa from New York, I bought a Replica designer handbags (like this one but butter yellow and a little worn around the handles, slightly scuffed up) at a brandsflow.com. After doing a little research, it turns out my bag is 20+ years old. The design is totally classic and the leather still feels fabulous. Buy Replica Handbags Online looks pretty luscious when you carry for your occasion or professional use you'll always be appreciated of your choice of style.

Record last modified Jul 16, 2016 8:47:48 AM

# Conclusions

- Accuracy
- Advocacy
- Network
- Always be curious!

Thank you!

# Resources

Jeremy Myntti & Nate Cothran (2013) Authority Control in a Digital Repository: Preparing for Linked Data, *Journal of Library Metadata*, 13:2-3, 95-113, DOI: 10.1080/19386389.2013.826061

Jeremy Myntti & Anna Neatrour (2015) Use Existing Data First: Reconcile Metadata before Creating New Controlled Vocabularies, *Journal of Library Metadata*, 15:3-4, 191-207, DOI: 10.1080/19386389.2015.1099989

Kim Tallerås (2017) Quality of Linked Bibliographic Data: The Models, Vocabularies, and Links of Data Sets Published by Four National Libraries, *Journal of Library Metadata*, 17:2, 126-155, DOI: 10.1080/19386389.2017.1355166

Lizzy A. Walker & Michelle Armstrong (2014) "I cannot tell what the dickens his name is": Name Disambiguation in Institutional Repositories, *Journal of Librarianship and Scholarly Communication*, 2:2, 1-10, DOI: 10.7710/2162-3309.1095

Scott Hanrath & Erik Radio (2017) User search terms and controlled subject vocabularies in an institutional repository, *Library Hi Tech*, 35:3, 360-367, DOI: 10.1108/LHT-11-2016-0133

Silvia B. Southwick (2015) A Guide for Transforming Digital Collections Metadata into Linked Data Using Open Source Technologies, *Journal of Library Metadata*, 15:1, 1-35, DOI: 10.1080/19386389.2015.1007009

Silvia B. Southwick, Cory K. Lampert & Richard Southwick (2015) Preparing Controlled Vocabularies for Linked Data: Benefits and Challenges, *Journal of Library Metadata*, 15:3-4, 177-190, DOI: 10.1080/19386389.2015.1099983

Questions?

[mmorgan@flsouthern.edu](mailto:mmorgan@flsouthern.edu)