

Enhancing the Discovery of Digital Collections: A linked data approach to supporting digital collections in libraries

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Has authority control gone the way of the card catalogue?

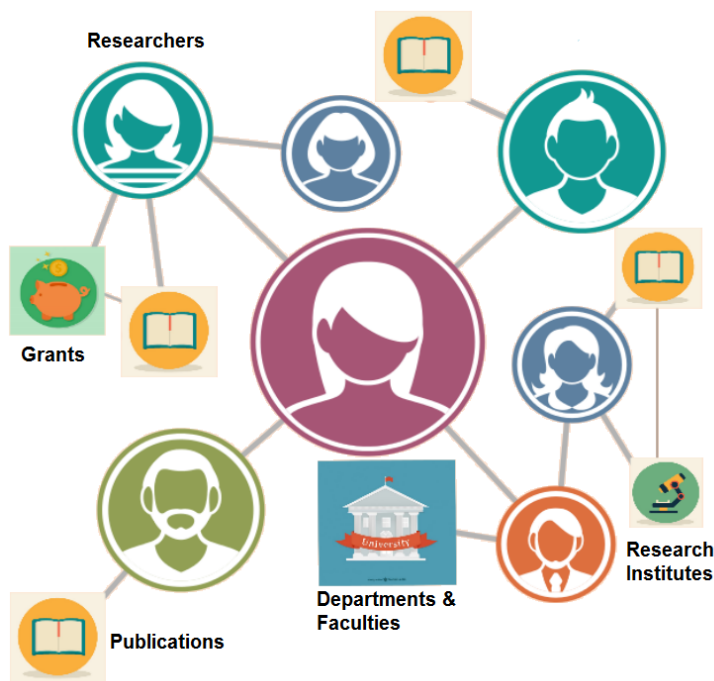
Certainly not! In fact, applying authority control principles is even more important in today's digital world.

The Tangled Web

Researchers communicate their studies using a wide range of digital content types and output modes:

- Open access & subscription journals
- Published books
- Recorded lectures & conference proceedings
- Institutional websites
- Citation & reference managers
- Social media

Many of these output modes support various researcher identifier schemes, which can succeed in muddying, rather than clarifying identities and access to digital content.



Linked data applications allow libraries to connect academic communities & disambiguate researcher identities.

Using community-sourced metadata strategies, at the Carleton University Library we are working on enhancing user access to digital research content of all formats within our institutional repository.

With linked data using URIs, we can simultaneously disambiguate identities, connect related digital resources, and improve user discovery of research publications.

Storey, Kenneth B.

← Controlled form of name

Authorized:	Storey, Kenneth B.
Name Type:	Personal
URI:	http://134.117.10.80:8000/name/mm0000010/
Disambiguation:	Researcher
Biographical Info:	Canada Research Chair in Molecular Physiology
Links:	<ul style="list-style-type: none"> Google Scholar: https://scholar.google.ca/citations?sortby=pubdate&hl=en&user=mzKxEoAAAAJ&view_op=list_works Homepage: https://carleton.ca/biology/people/ken-storey/ Homepage - Research Lab: http://http-server.carleton.ca/~ ORCID: http://orcid.org/0000-0002-7363-1853 SCOPUS Author ID: http://www.scopus.com/authorid/detail Thomson Researcher ID: http://www.researcherid.com/rid Wikidata: https://www.wikidata.org/wiki/Q6389837 Wikipedia: https://en.wikipedia.org/wiki/Kenneth_B._Storey Sierra Authority ID: a16268350
Publishes As:	<ul style="list-style-type: none"> Storey, KB Storey, Kenneth Storey, K.B. Storey, Ken

← Links identity with content

← Many digital identities

← Many name variants

Authoritative URIs connect content with established digital name authority files, such as VIAF and LC Name Authority File.

Develop & Enhance Library Services with Digital Repository Authority Control

✓ Value Added Benefits

- ✓ Allow users to find out more about researchers: who they are & what projects or organizations they're involved with.
- ✓ Improve user access to digital content of all types: connect authors with related faculties, departments, research institutes & more.
- ✓ Integrate established authority & identifier services like VIAF & ISNI
- ✓ Outreach services for faculty & researchers throughout publication process.
- ✓ Data & statistical support for institutional research offices.
- ✓ Publication reporting services to faculties and research chairs.
- ✓ Track grants and research projects.

Metadata schemas that support linked data breathe new life into authority control and the ways we describe & access digital objects.

Cataloguing for the Future

With linked data friendly metadata schemes, such as MODS, MADS, and the development of BIBFRAME, we truly are at a tipping point of resource description for the digital realm. Due to the expanse of digital content provided by libraries today, maintaining locally-controlled authority support for digital collections — like those housed in institutional repositories — can be considered integral to any library's cataloguing & metadata service strategy.

Further Reading

Below is a selection of resources on the exciting future of authority control, linked data, and digital object description and access:

- Ilik, V. (2015). Cataloguer Makeover: Creating Non-MARC Name Authorities. *Cataloging & Classification Quarterly*. 53, 382-398.
doi: 10.1080/01639374.2014.961626
- Library of Congress BIBFRAME: <https://www.loc.gov/bibframe/>
- Library of Congress Linked Data Service: <http://id.loc.gov/>
- VIAF — Virtual International Authority File — (OCLC): <https://viaf.org/>
- Smith-Yoshimura, K. et al. (2014). Registering Researchers in Authority Files. Dublin, Ohio: OCLC Research. <http://www.oclc.org/content/dam/research/publications/library/2014/oclcresearchregistering-researchers-2014.pdf>.
- Southwick, S.B. (2015). A Guide for Transforming Digital Collections Metadata into Linked Data using Open Source Technologies. *Journal of Library Metadata*. 15. 1-35.
doi: 10.1080/19386389.2015.1007009



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