

Let Them Have DOIs: Persistent Identifiers for Digital Assets in the University of British Columbia

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PERSISTENT IDENTIFIERS:

A persistent identifier is a long-lasting reference to a digital resource

Usually has two parts:

- A unique identifier (ensures the provenance of a digital resource)
- Location for the resource over time (ensures that the identifier resolves to the correct location)

WHY ARE DOIs USEFUL:

Discoverability!

- DOIs are *lingua franca* - metadata speaks to Google, Crossref, VIVO, [ORCID](#), [Datacite](#), DataOne, and many more...



WHY USE PERSISTENT IDENTIFIERS?

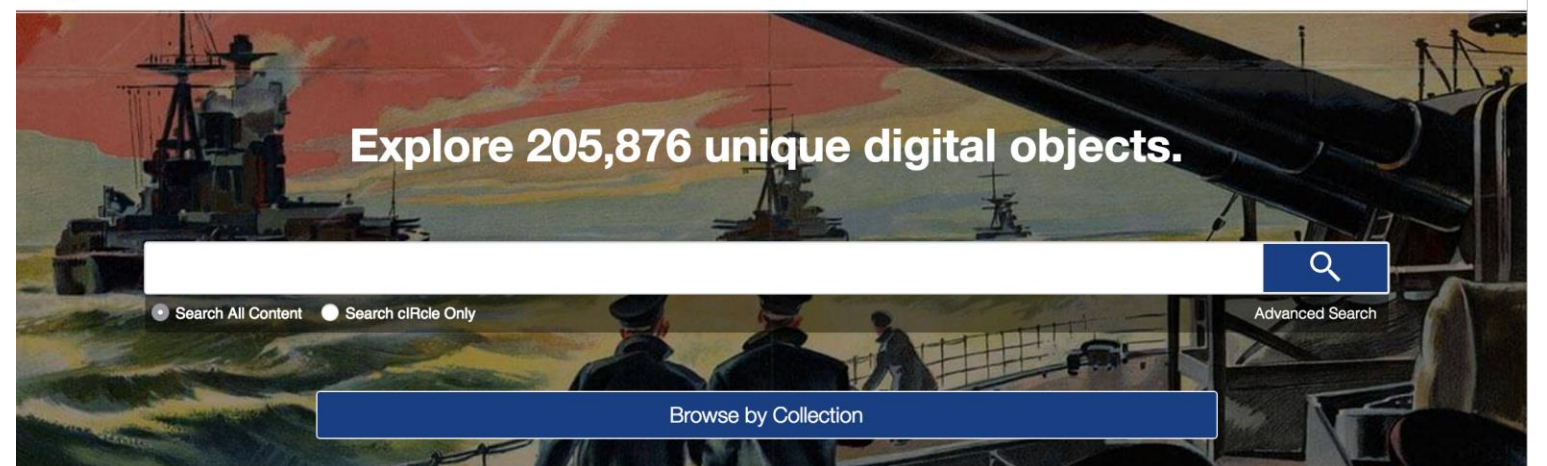
- Persistent identifiers solve the problem of the persistence of cited resources, particularly in the scholarly literature
- Persistent identifiers can also be used 'behind-the-scenes' to manage metadata and description, or provide access control to born-digital materials (e.g. [private DOIs](#) in Dataverse)
- Some persistent identifiers (e.g. DOIs), have an added value in discoverability, making digital items findable and reusable in multiple scholarly resources.

ID	Property	Obligation
1	Identifier (with type sub-property)	M
2	Creator (with name identifier and affiliation sub-properties)	M
3	Title (with optional type sub-properties)	M
4	Publisher	M
5	PublicationYear	M

UBC OPEN COLLECTIONS

Open Collections brings together locally created and managed content from the University of British Columbia Library's four (4) open access repositories. <https://open.library.ubc.ca/> (Dspace, CONTENTdm, Dataverse, and Atom).

Open Collections



DIGITAL OBJECT IDENTIFIERS (DOIs):

DOIs are digital identifiers of a digital or physical object:

- Persistent URL (dx.doi.org/10.14288/1.0305007)
- Structured metadata (DataCite Metadata Schema)
- International standard (ISO 26324:2012)
- Oversight by International DOI Foundation
- National registration agent (Datacite Canada)

DOIs as a SERVICE

UBC Library provides a free service for UBC users to obtain DOIs for digital assets. Objects deposited into UBC Library repositories: [cIRcle](#) (for text, PDFs, audio and video resources), [Abacus Dataverse](#) (for research datasets) or CONTENTdm (for digitized images) are minted DOIs and assigned persistent URLs.

These DOIs are minted via Open Collections and plans are underway to write these DOIs back into the native repositories.

Geographic Location	Canada
Genre	Other
Type	Text
Language	eng
Date Available	2016-06-09
Provider	Vancouver : University of British Columbia Library
Rights	Attribution-NonCommercial-NoDerivatives 4.0 International
DOI	10.14288/1.0304648
URI	http://hdl.handle.net/2429/58265

CUSTOM INTERFACE

UBC Library has also developed a comprehensive and flexible solution for creating DOIs, utilizing a custom interface for both automated and manual DOI assignment for Library-managed digital assets. Information about this custom GUI is available at <http://researchdata.library.ubc.ca/plan/get-dois/>

- To be released Open Access on Github soon- <https://github.com/ubc-library>
- More than **203,000** UBC DOIs have been minted already...

UBC DOI Subsystem

XML Workflow | ~1 - 10 Items

Prepare Metadata Online

Use our Online XML Editor

[launch editor](#)

Prepare Metadata Offline

CSV Workflow | ~10 - 100 Items

Prepare Metadata Offline

Download a CSV Template

Template	Description
Mandatory Fields - Default English Language	No option to set language attribute, system defaults all instances to 'en-us'. Reduces data entry. Download

FUTURE STEPS

- Promote DOIs as a free service to UBC researchers, labs, institutes, and more.
- Collaborate with other Canadian institutions to offer DOIs as a service for any interested Canadian schools

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a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA