

Make Your Data Citable with a DOI

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Why cite data?

- Researchers should be rewarded for producing quality data.
- Data citation facilitates data reuse and can lead to new opportunities for research collaborations.
- Data citation makes research more transparent.
- The usage of data as well as their derivatives should be tracked over time via data citation for the evaluation of data policies and practices.
- Funding agencies (NSF, NIH, Tri-Council), research institutions, and publishers (PLOS) are promoting data citation.

Data citation challenges

Data citation is not yet the norm. Researchers do not necessarily know that they should cite their data nor do they necessarily know how to cite data. The tools for data citation are fairly recent, requiring researchers to become familiar with the new technology.

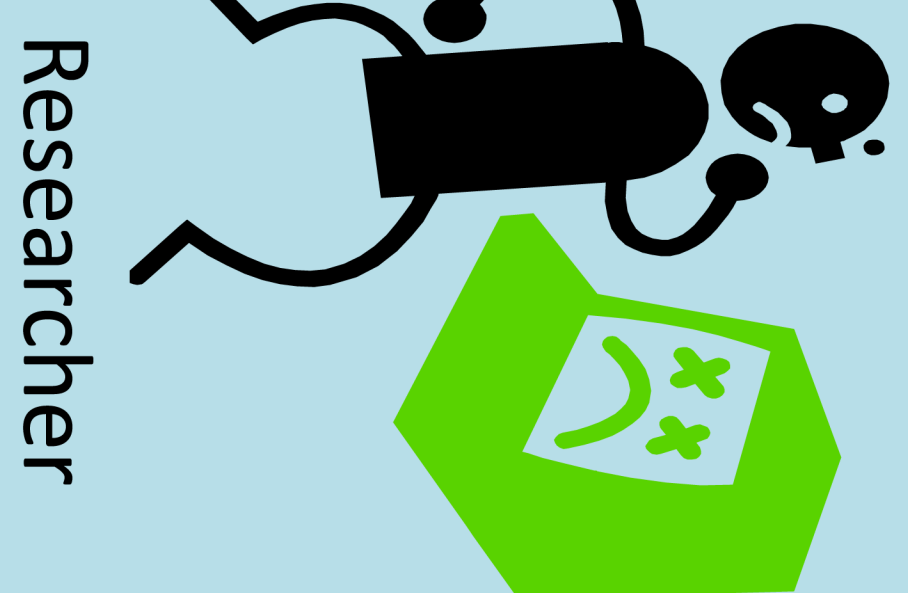
If data are cited at all, most of these citations are difficult to track because they are not integrated with today's electronic publishing technology. Researchers may use in-text acknowledgements instead of citing data. Lacking standards for this approach, such practices are difficult to track and count automatically.

How can DOIs help?

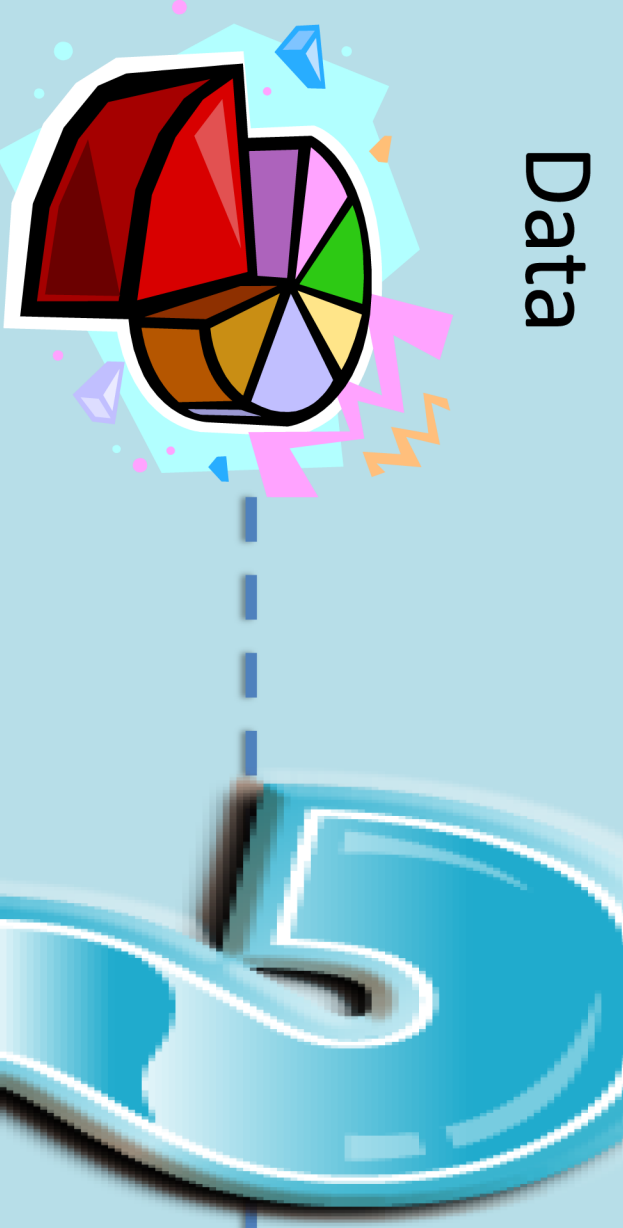
The Digital Object Identifier (DOI®) System is becoming a widely adopted approach to establishing persistent identifiers. This system consists of character strings that uniquely identify content objects in the digital environment. DOI, an ISO standard, has been in use since 2000 and is managed by the International DOI Foundation.

Once a DOI is assigned to a dataset, it forms part of the citation, whenever the dataset is cited in an article, poster or presentation. The DOI in the citation resolves to the URL where the dataset is located, allowing new researchers who wish to examine or reuse the dataset to get to it quickly and easily.

The connection
between data and
an article is not
clear.

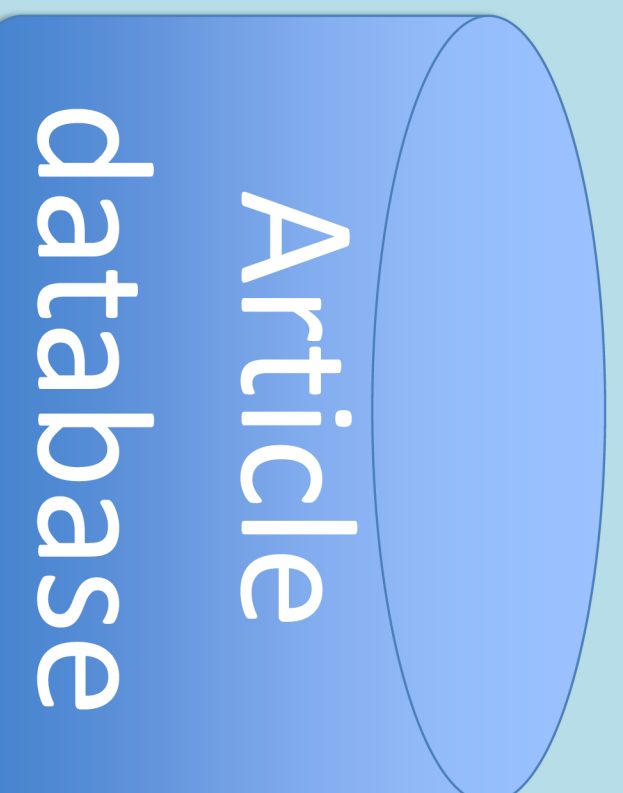
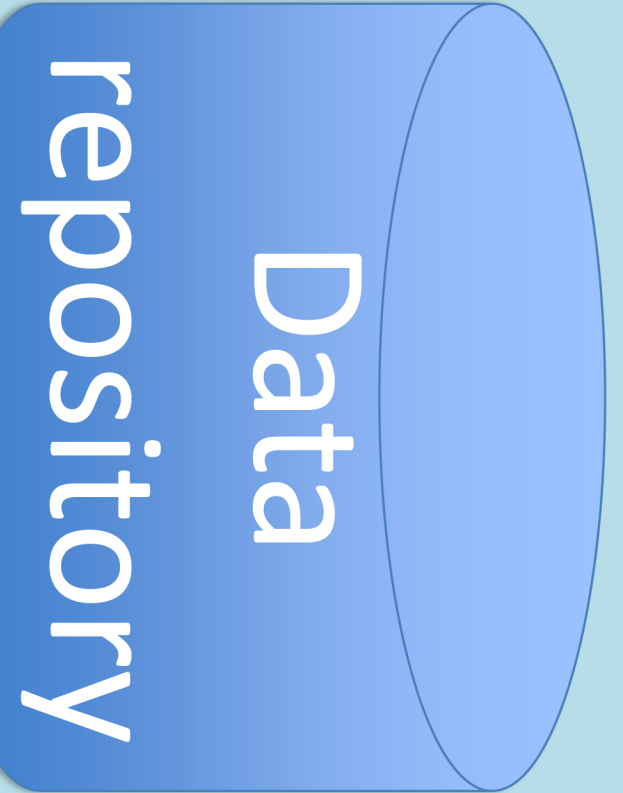
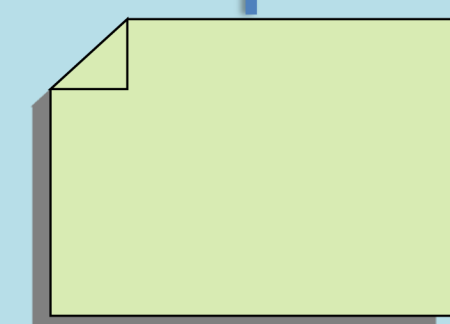


Researchers are
not receiving
credit for their
data.



Data

Article



e.g., Polar Data Catalogue

e.g., ASTIS

Where we are today.

DataCite

DataCite is an international consortium committed to preserving and facilitating access to data, and to elevating the status of data as citable contributions of research.

DataCite registers all dataset DOIs issued by its regional members. In Canada, dataset DOIs are issued by DataCite Canada at the National Research Council's Canada Institute of Scientific and Technical Information (NRC-CISTI).

Researchers generally obtain DOIs for their datasets through intermediaries such as university libraries, government departments, or other data centres who are preserving and maintaining access to the data. The University of Alberta Libraries is actively engaged in data stewardship and can request dataset DOIs for researchers affiliated with the University of Alberta.

Request a dataset DOI
through an intermediary

Dataset
DOI

Receive
doi: 10.5443/11378

More
recognition
More
collaboration

References:
Winton, Alexandra, et al.
(2012): Documenting traditional knowledge in relation to climate change and its effects in Tr'ondek Hwech'in traditional territory. Canadian Cryospheric Information Network.
<http://dx.doi.org/10.5443/11378>

Search by
dataset DOIs

DataCite Content Service Alpha

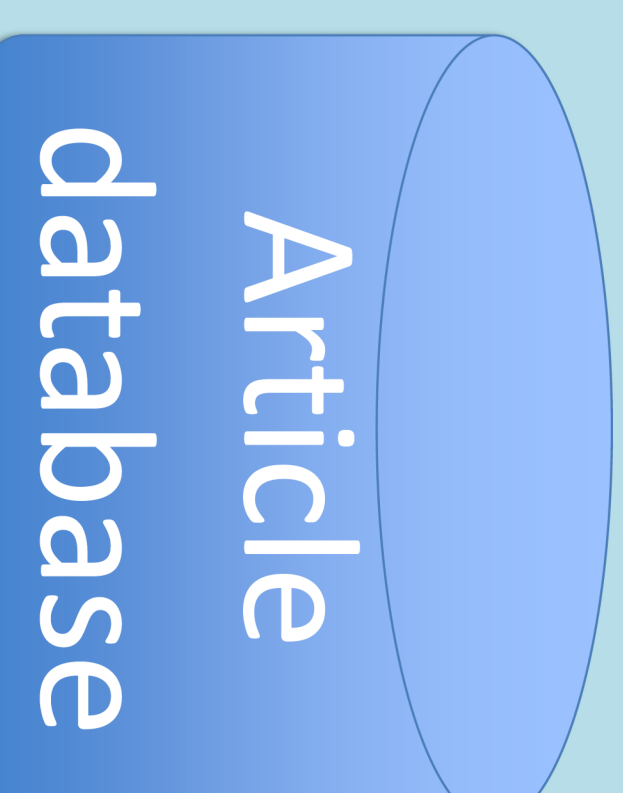
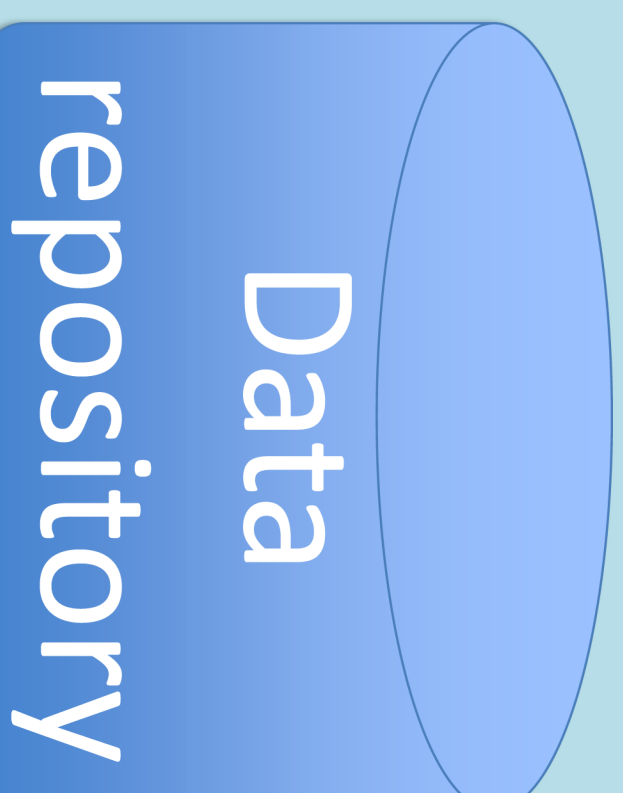
doi:10.5443/11378

This page represents DataCite's metadata for doi:10.5443/11378. For a landing page of this dataset please follow <http://dx.doi.org/10.5443/11378>

Citation

Winton, Alexandra, Winton, Alexandra, McLeod, Georgianna, Neufeld, David, Roburn, Shirley, Friendship, Katelyn, Neufeld, Erin, Hume, Trish, Parsons, Sue, Olson, Jackie (2012): Documenting traditional knowledge in relation to climate change and its effects in Tr'ondek Hwech'in traditional territory. Canadian Cryospheric Information Network. <http://dx.doi.org/10.5443/11378> [BIS](#) [BIS-ITX](#)

Descriptions



Where we want to be tomorrow.

Canadian Literature	
Keywords / Terms	
Alameda, Winton, Original	
Georgianna McLeod, Collaborator	
David Neufeld, Collaborator	
Shirley Roburn, Collaborator	
Katelyn Friendship, Collaborator	
Erin Neufeld, Collaborator	
Sue Parsons, Collaborator	
Jackie Olson, Collaborator	
PR: Traditional Knowledge in Tr'ondek Hwech'in	
Documenting traditional knowledge in relation to climate change and its effects in Tr'ondek Hwech'in traditional territory	
Winton, Alexandra, Georgianna McLeod, David Neufeld, et al (2012): Documenting traditional knowledge in relation to climate change and its effects in Tr'ondek Hwech'in traditional territory. Canadian Cryospheric Information Network (CCIN) http://dx.doi.org/10.5443/11378	
allie.winton@gnr-trondec.com	
Bibliography	
Title	Research Program
Citation	
Link to Data	
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