

# CANADIAN FEDERATED RESEARCH DATA DISCOVERY SERVICE

## What Is the FRDR Discovery Service?

The Federated Research Data Repository (FRDR) Discovery Service is an online platform for finding and accessing Canadian research data from many

FRDR works with Canadian data repositories to make their data discoverable from a single search location. FRDR is also a repository which can store large data sets directly.

## The Research Data Lifecycle



**Plan**



**Create**



**Process**



**Analyze**



**Disseminate**



**Preserve**



**Reuse**

Life cycle model developed by the [Leadership Council for Digital Research Infrastructure](#).

## Who Are We?

FRDR was developed by Compute Canada in partnership with the Canadian Association of Research Libraries (CARL) as a part of the Portage research data management initiative.

It is supported by Portage's Network of Expert: a grassroots community of practice of over 100 volunteers from 40 + organizations across Canada.

The FRDR discovery service working group operates and develops this service. Its members come from a range of Canadian and US universities and research organizations.

## What are the benefits of having your repository indexed?

By having your repository indexed in FRDR:

- Your repository's data will be easier to discover and access.
- Your repository will become part of Canada's linked research environment and participate in setting its direction.
- Researchers in your area of interest will have better connections with peers and their data in Canada.
- The data in your repository will benefit from the best practices in data management, and common standards.
- Your researchers will benefit from improved subject indexing and better data searching.
- Your repository will gain access to usage and citation information.

## What Kinds of Repositories Do We Index?

FRDR is designed to index research data repositories in Canada. These generally include Canadian university repositories, government data portals, and repositories hosted at subject or discipline specific research centres. [Explore a full list of searchable repositories.](#)

## How Does FRDR Index Repositories for Discovery?

Many repositories make use of internationally recognized standards for publishing information on the web (e.g., OAI-PMH<sup>1</sup>). These standards allow their records to be openly accessed online. FRDR collects and indexes these publicly available metadata records to make them discoverable from a single search interface.

FRDR does not ingest any actual data. All records found in FRDR point back to their host repositories. In cases where standards used by data repositories are not the same as those used in FRDR, a cross-walking of metadata Fields can be done.

Even if your data are not publicly accessible, there is still value in making the metadata record searchable so that others can discover the research. In these cases, FRDR

<sup>1</sup> [Open Archives Initiative Protocol for Metadata Harvesting](#)

indicates whether data is open or restricted. Individual repositories control how "open" they wish their data to be.

## How Can I Make My Repository Discoverable In FRDR?

If your repository conforms to any of the internationally recognized standards or technologies listed below, our team can work with you to make your metadata records discoverable in FRDR:

- Open archives initiative protocol for metadata harvesting (OAI-PMH)
- DataCite
- Data documentation initiative (DDI)
- Federal geographic data committee (FGDC)
- Comprehensive knowledge archive Network (CKAN)
- Catalogue service for the web (CSW)
- MarkLogic

FRDR our staff can work with you to assess the suitability of your metadata for indexing. If you are a researcher whose data are not currently stored in a repository, there are many options available. See the [Portage Network website](#) for more information.

If you manage a repository or know of repository that should be included in a FRDR, please contact [support@frdr.ca](mailto:support@frdr.ca).



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**CONTACT AT YOUR INSTITUTION:**