

Visit the project blog:  
[coref.project.re3data.org](http://coref.project.re3data.org)

Contact us!  
Web: [www.re3data.org](http://www.re3data.org)  
Mail: [info@re3data.org](mailto:info@re3data.org)  
Twitter: [@re3data](https://twitter.com/re3data)



re3data.org  
REGISTRY OF RESEARCH DATA REPOSITORIES

EGU General Assembly

What is  
re3data and  
how does it  
work?

Current Projects:

Jump to:

Learn more about the  
re3data service...

Jump to:



re3data  
coref

Jump to:



FAIRSFair  
Fostering Fair Data Practices in Europe

The Team:

- [Nina Weisweiler](#) (Helmholtz Open Science Office)
- [Kirsten Elger](#) (GFZ German Research Centre for Geosciences)
- [Lea Maria Ferguson](#) (Helmholtz Open Science Office)
- [Maxi Kindling](#) (Humboldt University of Berlin)
- [Gabriele Kloska](#) (Karlsruhe Institute of Technology - KIT)

- [Thanh Binh Nguyen](#) (Karlsruhe Institute of Technology - KIT)
- [Rouven Schabinger](#) (Karlsruhe Institute of Technology - KIT)
- [Dorothea Strecker](#) (Humboldt University of Berlin)
- [Margarita Trofimenko](#) (Karlsruhe Institute of Technology - KIT)

- [Robert Ulrich](#) (Karlsruhe Institute of Technology - KIT)
- [Paul Vierkant](#) (DataCite - International Data Citation Initiative e.V.)
- [Yi Wang](#) (Humboldt University of Berlin)
- [Michael Witt](#) (Purdue University)



global registry of  
research data  
repositories

re3data.org  
REGISTRY OF RESEARCH DATA REPOSITORIES

Search...

Search

across all  
scientific  
disciplines

... presents **repositories and portals** for the  
**permanent storage** and **access** of research data  
sets to researchers, funding bodies, publishers  
and scholarly institutions.

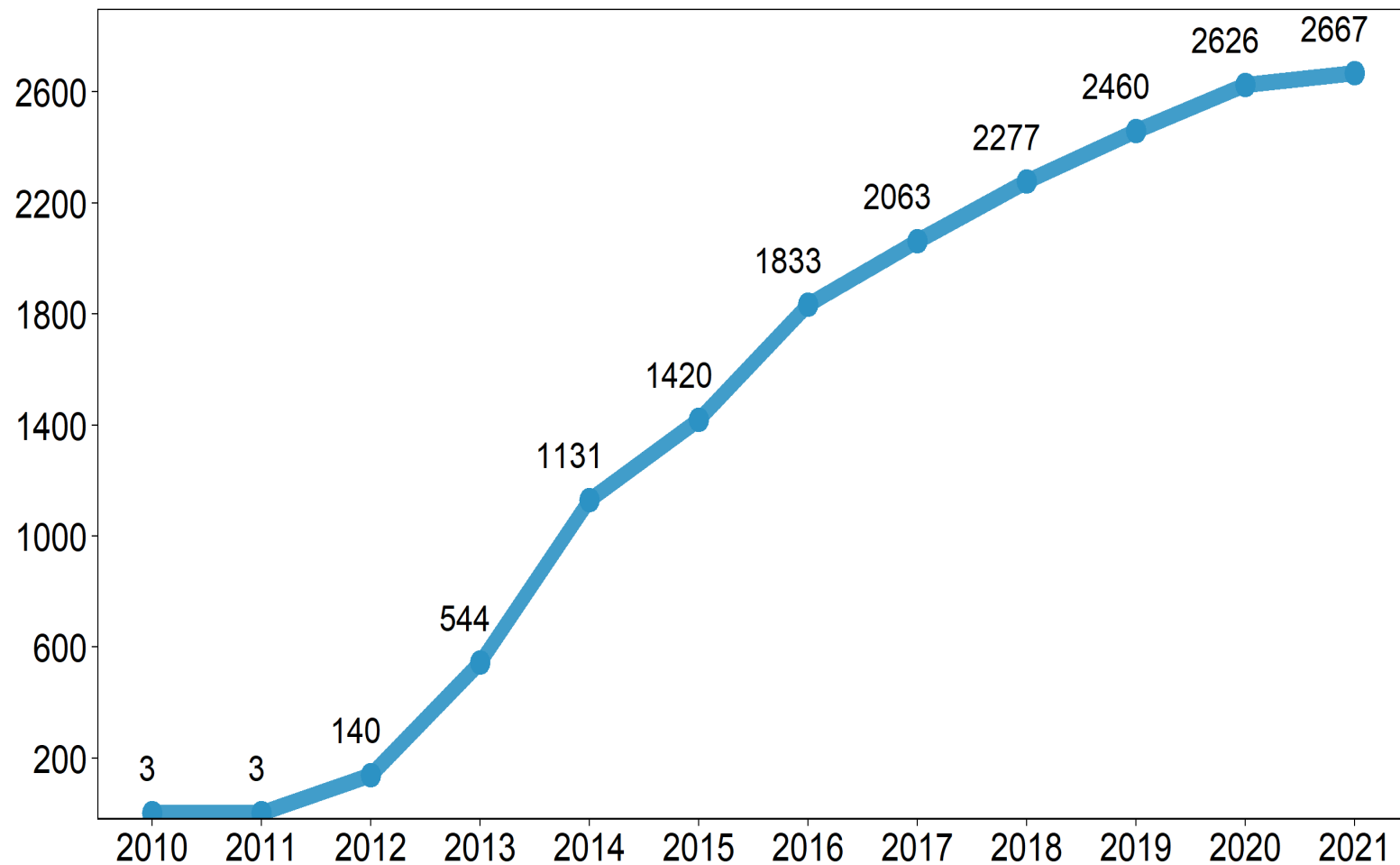
...promotes a culture of **sharing**,  
**increased access** and **better  
visibility** of research data



# re3data Origins

- 2012-2015: **DFG-funded project** (GFZ, Humboldt University Berlin, KIT)
- 2013: Merge with **DataBib** (new partner: **Purdue University**, new **International Editorial Board**)
- 2015: Official service of **DataCite**
- 2020-2022: New DFG-funded project → **re3data coref**
- Technical maintenance and development of the service is financed and managed by **Karlsruhe Institute of Technology (KIT)** and **DataCite**

## Number of repositories indexed in re3data per year:



April 2021:  
More than **2600**  
research data  
repositories



# Metadata Schema Version 3.0



Vierkant, P., et al. (2015). Schema for the Description of Research Data Repositories. Version 3.0. <http://doi.org/10.2312/re3.008>

## 41 Properties on...

- General information
- Responsibilities
- Policies
- Legal aspects
- Technical standards
- Quality standards
- DOI for repository descriptions
- New 2020: ROR identifier for institutions implemented

**Provide your feedback to the new  
version 3.1:**

[coref.project.re3data.org](http://coref.project.re3data.org)





# catalogue

Home Search Browse Suggest FAQ About Schema API Contact Legal notice / Impressum

simple search box

filters

Filter

- Subjects
- Content Types
- Countries
- Data access
- Database access
- Data licenses
- Data upload
- Data upload restrictions
- Enhanced publication
- Institution responsibility type
- Institution type
- Keywords
- Metadata standards
- PID systems
- Provider types
- Quality management
- Repository languages
- Repository types
- Versioning

Nordicana d

Search

Toggle short help

← Previous 1 Next →

icons

Sort by ▾

Found 1 result(s)

## Nordicana D



Nordicana D collection

Subject(s)

Geosciences (including Geography) Natural Sciences

Content type(s)

Raw data Structured graphics Images Scientific and statistical data formats

Plain text

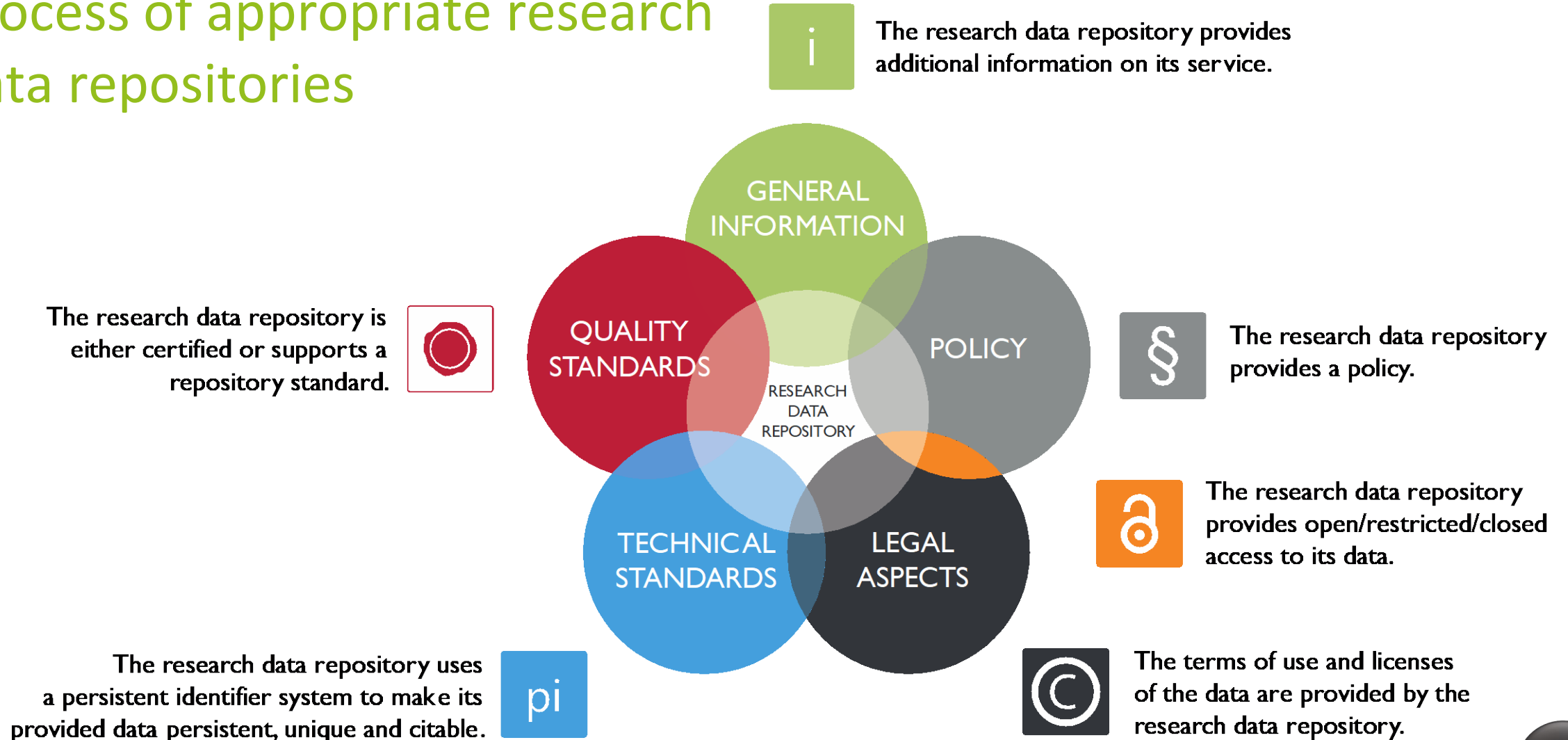
Country

Canada

Nordicana series D is a formatted, online data report series archived at CEN. It is produced only in electronic form and is freely and openly accessible to CEN researchers and to other users. Each issue is published in French and in English, and is indexed via an assigned digital object identifier (DOI). An issue may be updated, for example with new data, as a new version number, but will retain the same DOI. Each issue contains data sets and extensive metadata that explain the origin of the data, the format of the data, the history of updates via different version numbers, and the format that should be adopted to cite the data.



# Icons – facilitating the selection process of appropriate research data repositories



Repository details

**Nordicana D**

General Institutions Terms Standards

Name of repository	Nordicana D
Additional name(s)	Nordicana D collection La collection Nordicana D
Repository URL	<a href="http://www.cen.ulaval.ca/nordicanad/en_index.aspx">http://www.cen.ulaval.ca/nordicanad/en_index.aspx</a>
Subject(s)	Geosciences (including Geography) Natural Sciences
Description	Nordicana series D is a formatted, online data report series archived at CEN. It is produced only in electronic form and is freely and openly accessible to CEN researchers and to other users. Each issue is published in French and in English, and is indexed via an assigned digital object identifier (DOI). An issue may be updated, for example with new data, as a new version number, but will retain the same DOI. Each issue contains data sets and extensive metadata that explain the origin of the data, the format of the data, the history of updates via different version numbers, and the format that should be adopted to cite the data.
Contact	<a href="http://www.cen.ulaval.ca/nordicanad/en_joindre.aspx">http://www.cen.ulaval.ca/nordicanad/en_joindre.aspx</a>
Content type(s)	Raw data Structured graphics Images Scientific and statistical data formats Plain text
Keyword(s)	SILA Network ADAPT IPY-ArcticWOLVES northern regions environmental change ecosystems geosystems climate warming
Repository type(s)	disciplinary
Mission statement for designated community	<a href="http://www.cen.ulaval.ca/nordicanad/en_index.aspx">http://www.cen.ulaval.ca/nordicanad/en_index.aspx</a>
Research data repository language(s)	eng fra
Data and/or service provider	dataProvider

## Details: General

**Subjects/Disciplines:**  
controlled list: DFG-based

**Keywords:** free text

**Repository types:**

- Disciplinary
- Governmental
- Institutional
- Multidisciplinary
- project-related
- other







General

Institutions

**Terms**

Standards

**Policies (2)**

Policy Name	Terms of use
URL	<a href="http://www.cen.ulaval.ca/nordicanad/en_modalite.aspx">http://www.cen.ulaval.ca/nordicanad/en_modalite.aspx</a>
Policy Name	Nordicana D and CEN Data Policy
URL	<a href="http://www.cen.ulaval.ca/nordicanad/document/en_datapolicy.pdf">http://www.cen.ulaval.ca/nordicanad/document/en_datapolicy.pdf</a>

**Database access**

Type of access to research data repository

open

**Data access (1)**

Type of access to data

open

**Data licenses (1)**

DataLicense	other
URL	<a href="http://www.cen.ulaval.ca/nordicanad/document/en_datapolicy.pdf">http://www.cen.ulaval.ca/nordicanad/document/en_datapolicy.pdf</a>

**Data upload (1)**

Type of data upload

restricted

Data upload restriction type(s)

institutional membership

# Details: Terms

**Database access**

- open
- embargoed
- restricted
- closed

**Data access**

- open
- restricted
- closed

**Data upload**

- open
- restricted
- closed

Fee required

Institutional membership registration



# Provider types in re3data

An infrastructure listed in re3data is:

- a **dataProvider** primarily offering research data and their metadata (ideally exposing metadata via application programming interfaces) **and with data upload functionality,**

and/or

- a **serviceProvider** primarily harvesting metadata of research data from data providers, e.g. a **data discovery** portal.

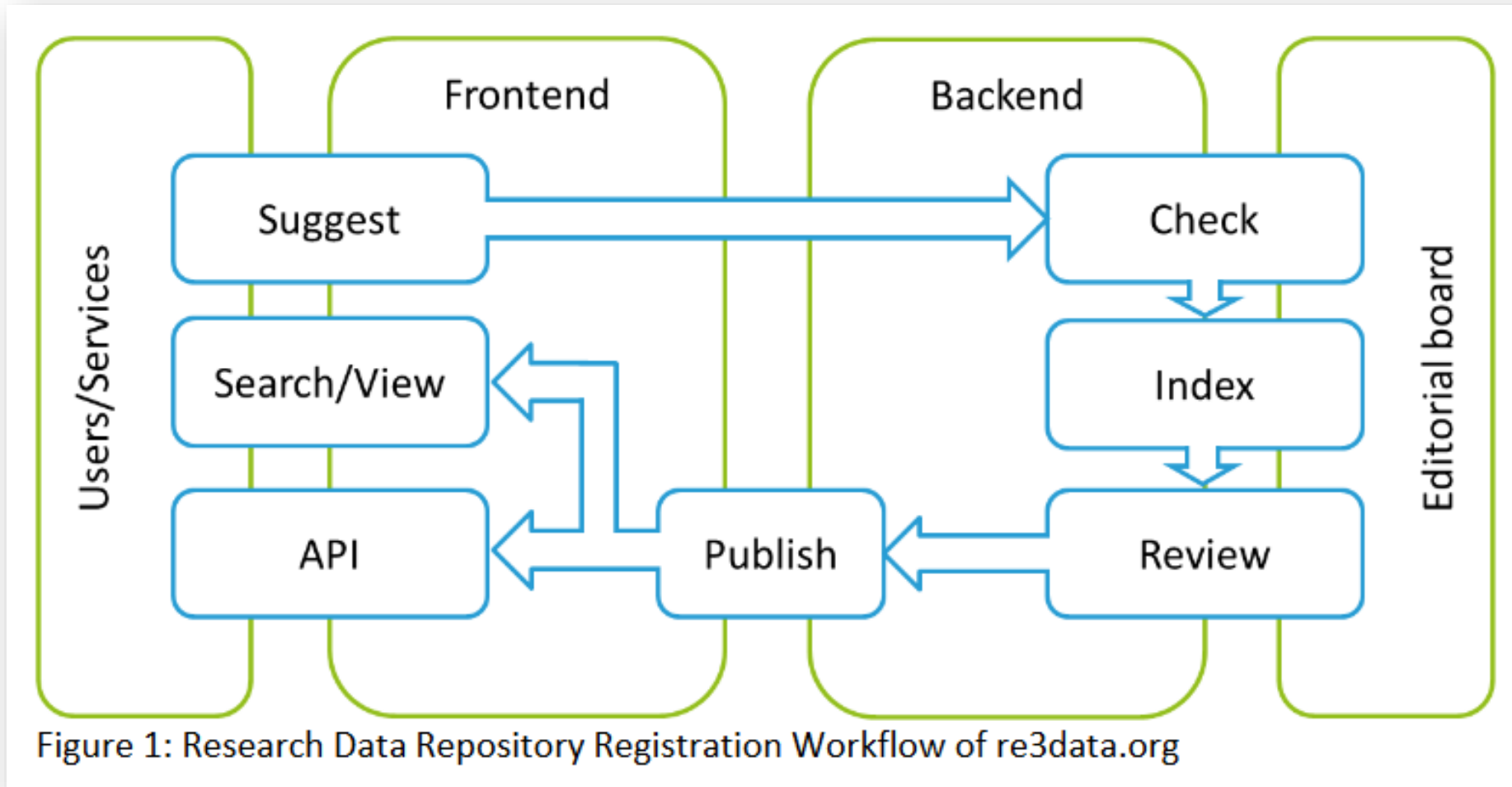


# Metadata Generation

- re3data lists only information that is available at the repository's website
- re3data Initial selection suggested by editorial team members (2012-2013)
- re3data Curation by editorial team at the Karlsruhe Institute of Technology (KIT) Library
- re3data [International Editorial Board](#) (formerly DataBib)
- re3data Public [Suggest Form](#)



# Registration Workflow



# Updates and New Records

update

## Suggest a repository

new

### re3data.org Registration Policy

To be registered in re3data.org a research data repository must

- be run by a legal entity, such as a sustainable institution (e.g. library, university)
- clarify access conditions to the data and repository as well as the terms of use
- **have focus on research data**

A research data repository is a subtype of a sustainable information infrastructure which provides long-term storage and access to research data that is the basis for a scholarly publication. Research data means information objects generated by scholarly projects for example through experiments, measurements, surveys or interviews.

A research data repository listed in re3data.org is either:

- a data provider if it offers research data and its metadata (ideally exposing metadata via interfaces),

and/or

- a service provider (e.g. a portal) if it harvests the metadata of research data from data providers as a basis for building value-added services.

For the re3data.org research data repository registration workflow see our [FAQ](#).

If you find a research data repository missing from our list, we are open to suggestions. Please use the following form:

Required information

Repository name	<input type="text"/>
Repository name language	<input type="text" value="English"/>
Repository url	<input type="text"/>
Description	<input type="text"/>
Description language	<input type="text" value="English"/>

## Submit a change request

Make changes to the properties that need an update. The editorial board will review the submitted record and put it online.

General

Repository name	<input type="text" value="Nordicana D"/>
Repository name language	<input type="text" value="English"/>
Additional names	Text <input type="text" value="Nordicana D collection"/> <input type="button" value="Remove"/>
	Language <input type="text" value="English"/>
Additional names	Text <input type="text" value="La collection Nordicana D"/>
	Language <input type="text" value="French"/>
<input type="button" value="+ Add additionalNames"/>	
Repository url	<input type="text" value="http://www.cen.ulaval.ca/nordicanad/en_index.aspx"/>
Subjects	Name <input type="text" value="34 Geosciences (including Geography)"/> <input type="button" value="Remove"/>
	Scheme <input type="text" value="DFG"/>
	Name <input type="text" value="3 Natural Sciences"/> <input type="button" value="Remove"/>

pre-filled metadata fields





# Feature: BADGES

Get a re3data badge for your repository website!

Link to the re3data record!

**BCO-DMO**  
Biological & Chemical Oceanography Data Management Office

DATA RESOURCES ABOUT US Enter search terms

DATABASE	
Programs	47
Projects	1,262
Deployments	3,082
Platforms	622
Datasets	9,709
Publications	2,460
Instruments	515
Parameters	1,451
People	2,987
Affiliations	626
Funding	99
Awards	2,315

### About Us

BCO-DMO, located at the Woods Hole Oceanographic Institution, is a combination of the formerly independent Data Management Offices formed in support of the US JGOFS and US GLOBEC programs. The BCO-DMO staff members are the curators of the data collections created by those respective programs, as well as data from more recent NSF Geosciences Directorate (GEO) Division of Ocean Sciences (DOS), Biological and Chemical Oceanography Sections, Division of Polar Programs (PLR) Antarctic Sciences (ANT) Organisms & Ecosystems, and Arctic Sciences (ARC) awards. The BCO-DMO project is funded by NSF OCE and ANT programs, NSF award number OCE-1435578.

A more complete description of BCO-DMO is available as a [downloadable PDF file](#) (1.2 MB) as well as [online documentation](#) describing the BCO-DMO data management model.

To **contact** us, please send email to [info@bco-dmo.org](mailto:info@bco-dmo.org). Thank you.

MEET THE BCO-DMO TEAM

CERTIFICATIONS

**re3data.org**  
REGISTRY OF RESEARCH DATA REPOSITORIES  
http://dx.doi.org/10.17616/R37P4C  
The Biological and Chemical Oceanography Data...

<https://www.bco-dmo.org/about-us>

## Re3Data badge for repository - r3d100010134

You can make use of SVG (Scalable Vector Graphics) or Rasterized PNG. Badges are generated in two different sizes for light and dark color schemes

**re3data.org**  
REGISTRY OF RESEARCH DATA REPOSITORIES

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PANGAEA

SVG  
300x250  
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HTML for SVG  
HTML for PNG

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PANGAEA

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Download PNG  
HTML for SVG  
HTML for PNG

Warning: If you download the SVG make sure that your server returns SVG files with the right content-type header. For details see: [Serve SVG with correct content-type](#)

**re3data.org** Search Browse Suggest Resources Contact DataCite

Repository details

### Biological and Chemical Oceanography Data Management Office

General Institutions Terms Standards

Name of repository: Biological and Chemical Oceanography Data Management Office  
Additional name(s): BCO-DMO  
Repository URL: <https://www.bco-dmo.org/>  
Subject(s): Atmospheric Science, Oceanography, Atmospheric Science and Oceanography, Ocean Sciences (Including Geograph), Natural Sciences  
Description: The Biological and Chemical Oceanography Data Management Office (BCO-DMO) is a publicly accessible earth science data repository created to curate, publicly serve (publish), and archive digital data and information from biological, chemical and biogeochemical research conducted in coastal, marine, great lakes and laboratory environments. The BCO-DMO repository works closely with investigators funded through the NSF OCE Division's Biological and Chemical Sections and the Division of Polar Programs Antarctic Organisms & Ecosystems. The office provides services that span the full data life cycle, from data management planning support and DOI creation, to archive with appropriate national facilities.  
Contact: [info@bco-dmo.org](mailto:info@bco-dmo.org)  
Content type(s): Source code, Plain text, Images, Structured text, Scientific and statistical data formats, Software applications, Databases



# re3data coref

COMMUNITY DRIVEN OPEN REFERENCE FOR  
RESEARCH DATA REPOSITORIES

- Provide **customizable and extendable core repository descriptions** that are **persistently identifiable** and can be appropriately **referenced and cited**.
- Update and expand the **metadata schema**.
- Develop further options for **automated data exchange** (M2M) between re3data and other services.
- Build **new widgets** that take recent requirements of stakeholders using the re3data metadata and API into account.
- Provide more functions for **monitoring and recommendation**, for example of repositories that enable FAIR data practices (cooperation with EU project [FAIRsFAIR](#)).
- All the above activities are carried out according to a **new service model** for re3data.

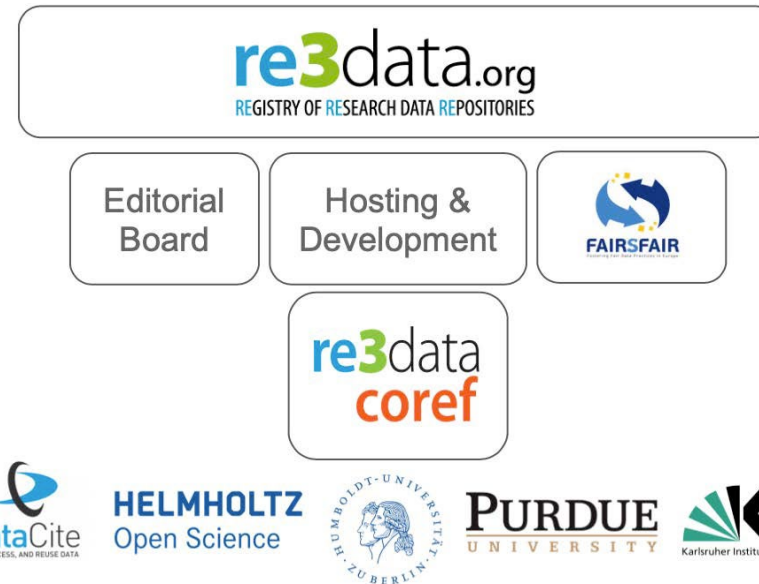


**Main project goal:**  
Position re3data as the  
reference for research  
data repositories with  
other services and  
infrastructures.



# re3data COREF Project Partners

- [Berlin School of Library and Information Science](#) at the Humboldt-Universität zu Berlin
- [DataCite](#) - International Data Citation Initiative e. V.
- [Helmholtz Open Science Office](#) at the [GFZ German Research Centre for Geosciences](#)
- [KIT Library](#) at the Karlsruhe Institute of Technology
  
- The project partners actively participate in national and international initiatives on research data management ([DINI](#), [RDA](#)).



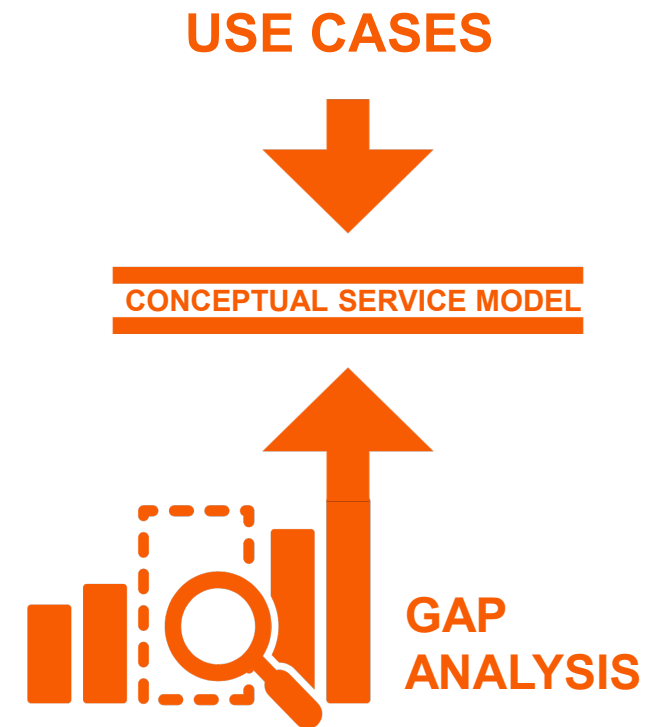
Visit the project blog:  
[coref.project.re3data.org](http://coref.project.re3data.org)



# re3data Service Model Update: Most common use cases of re3data – Part 1

Feedback was collected via a **survey** and **workshops** with 21 stakeholders to identify relevant **use cases** and **requirements**.

- **Search and discovery of research data repositories**
  - Typically to find appropriate repositories to search and/or deposit research datasets
- **Reusing re3data metadata**
  - e.g. to enrich metadata of other services like registries, databases, and discovery systems
  - e.g. to monitor the research infrastructure landscape
  - e.g. to provide a list of recommended research data repositories for any given purpose



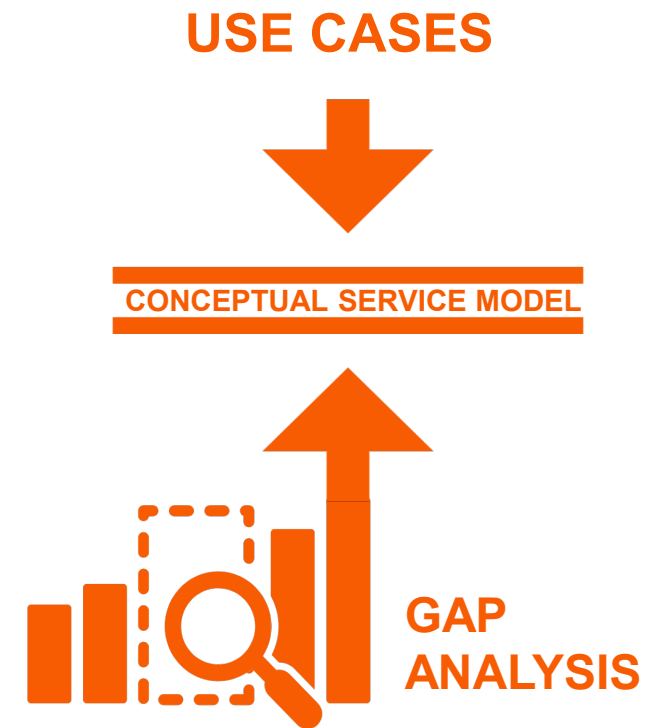
Soon to be published...



# re3data Service Model Update: Most common use cases of re3data – Part 2

Feedback was collected via a **survey** and **workshops** with 21 stakeholders to identify relevant **use cases** and **requirements**.

- **Administering re3data metadata**
  - Suggest changes to an entry in re3data via [Suggest Form](#)
  - **Planned:** Curating / editing and automatic ingestion of standardized metadata by trusted external parties (e.g. repository operators and certification agencies like CoreTrustSeal)
- **Referencing**
  - e.g. to properly attribute the location of research data
  - e.g. to refer to the repository so that the service gets credit and higher visibility
  - e.g. to uniquely identify a RDR so that I can reference





# Revision of the metadata schema: New Version 3.1

Jump to  
FAIRsFAIR slide  
for more details...

Version 3.1 introduces two major changes,  
based on preliminary work within the FAIRsFAIR project:

**“certificate”**: Version 3.1 will expand descriptions of repository certification. References to a document outlining details of the certificate as well as certification start and end date will describe the certification status in greater detail.

**“profile”**: The new property *profile* provides the opportunity to identify a subset of repositories indexed in re3data pre-defined by a third party based on community-developed criteria. Each profile has to provide a URL outlining the selection criteria.

- Feel free to **provide your feedback** on the first revision of the re3data Metadata Schema:

[coref.project.re3data.org/blog/request-for-comments-version-3-1-of-the-re3data-metadata-schema](http://coref.project.re3data.org/blog/request-for-comments-version-3-1-of-the-re3data-metadata-schema)



# Collaboration with the FAIRsFAIR Project: Improved Description of Data Repositories

Together with DataCite, re3data is building services and going to provide tools for **finding and selecting FAIR-enabling repositories** to researchers and other stakeholders.

[More details...](#)

**re3data.org**  
REGISTRY OF RESEARCH DATA REPOSITORIES

 **FAIRsFAIR**  
Fostering Fair Data Practices in Europe

 **DataCite**



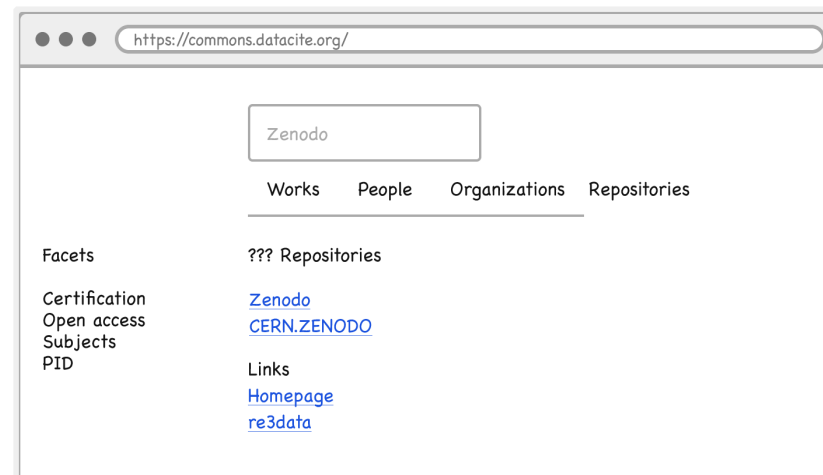


## Collaboration with the FAIRsFAIR Project: DataCite Commons Integration

For easy discovery of FAIR-enabling repositories the DataCite [Repository Finder](#) is going to be **transitioned into DataCite Commons**. With this integration, research data repositories can be connected and explored within the **PID Graph**.

### [More details...](#)

Provide feedback for 'Repository Search in DataCite Commons' via the **DataCite product board**:  
[datacite.org/roadmap.html](https://datacite.org/roadmap.html)



Planned transition into [commons.datacite.org](https://commons.datacite.org)



## Collaboration with the FAIRsFAIR Project: re3data as Data Source

Jump to COREF slide  
for more details...

As part of the **re3data COREF** project and based on the preliminary work within **FAIRsFAIR**, the re3data metadata schema will be revised to support the integration of repositories into DataCite Commons with **improved certification information** and **API description**, as well as a new **“community profile”** property. The **API** will be advanced to keep information up to date and records in sync. In addition, the re3data editorial team supports the efforts in **checking and updating relevant entries**.

[Provide your feedback to the re3data COREF team...](#)

```
<repository>
...
  <certificate>
    <certificateName>CoreTrustSeal+FAIR</certificateName>
    <certificateUrl>//cert.example/cert.pfd</certificateUrl>

    <certificateWidget>cert.example/badge.jpg</certificateWidget>
    <validUntil>2024-01-01</validUntil>
  </certificate>
...
</repository>
```

