A Next-Generation Repository for Research Data Management

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Invenio software powers open science

Free Open Source Software
Invenio is Free Open Source Software supported by a committed community of multidisciplinary institutions.
Code | Docs | Examples

Friendly and Responsive Community
Although Invenio was born at CERN, its community is growing bigger every day. Talk to the team now in our chatroom or forum.
Chatroom | Forum | Get Involved | Events

The “Safe bet”
Invenio community has been around for 20 years. Solid services have been built on top of it to ensure long-term confidence.
Live services | Products

https://inveniosoftware.org/
InvenioRDM features

- **Research, shared.** Securely share and preserve data records and research materials with collaborators. Allows easy dissemination to the community.

- **Get credit & be cited.** Get a DOI to make records easily and uniquely citable. Pre-formatted citation text makes it easy to cite your work and be cited.

- **Discoverable.** Leverages metadata standards and the powerful Elasticsearch full-text search engine retrieves, facets, sorts, and filters your searches with ease.

- **Metrics.** Industry standard usage statistics for record pages with all tracking completely anonymized.

- **FAIR.** Advanced features to make your research Findable, Accessible, Interoperable, & Reusable.

- **Communities.** Create and curate your own community (e.g., workshop, project, lab, or journal).

- **Comply.** Comply with data sharing mandates* and acknowledge your grants.

- **Easy.** Turn-key research data management platform & index can be easily deployed in the local environment by your team or by a service provider, such as TIND. Customize the look and feel to your local environment.

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*RDM platforms are critical to help preserve and share research, enable reproducibility, and empower reuse of datasets, protocols, engagement or study materials, & a wide range of other research products.*

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RDM
The turn-key research data management repository
Launching in the summer 2020

Roadmap
We intend to be ready by summer 2020.

Talk
Join our project forum and collaborate.

Chat
Find all the partners in our official chatroom.

Code
Have a look at InvenioRDM code evolution.

Events
InvenioRDM project events for partners

Features
Sneak peak at the future InvenioRDM.

https://inveniosoftware.org/products/rdm/
InvenioRDM as a hub for local engagement
Northwestern University’s experience on the medical campus

Try out a 1st minimum viable product with Northwestern theming: http://bit.ly/inveniordm-at-nu

Search public content now (try entering “data” in the search box) or log in to create your own records:

Test Login: gla3975
Password: InvenioRDM@NU_2019

DevSci is a critical partner to understand user experience and needs, gather requirements, and test features, given their broad range of research methodologies and populations.
User Perspectives

Sara Gonzales, MLIS
Data Librarian
InvenioRDM Use Cases from User Testing: Fall 2019

12 testers participated in half-hour sessions in November 2019. The majority were from the Institute for Innovations in Developmental Sciences

Testers asserted they would use InvenioRDM to:

- Search for datasets
- Store data and other files
- Deposit materials from motivations to practice open access and open science, or to comply with data sharing requirements
- Make private collections to share materials with collaborators
- Create grey literature collections of conference abstracts and posters
- Embed repository-issued DOI’s (digital object identifiers) for their deposits into manuscripts and posters, enabling tracking and citation

DevSci is a critical partner to understand user experience and needs, gather requirements, and test features, given their broad range of research methodologies and populations
Search and retrieve datasets using standards-based documentation

Robust search enhanced by:

- Standardized forms of name (LDAP, ORCiD)
- Standard subject terms (MeSH, Library of Congress Subject terms)
- Standardized citation formats
- Clear levels of access
- Standard application of licenses
InvenioRDM helps you store, manage, and if needed share your study’s outputs:

- Study-based resource types to manage a large range of assets
- **Reproducibility** is enhanced: store research proposals, datasets, code
- Be **compliant** with data sharing mandates
- **Cite** and **attribute** the work of all contributors to research
- **Reuse** deposited data or measures from other studies
Create a Community to:

- Create gray literature collections for your conference abstracts, posters, etc.
- Spotlight the work and resources of a department, core, project, or collaboration
- Organize resources related to a clinical study. The Community record describes the study and the records within represent the array of digital resources created through the study
- Facilitate open access, open science, and reproducibility by gathering related resources for sharing
- Optimize your file storage by using Communities and Collections to organize your deposits
InvenioRDM adheres to the FAIR data principles, which includes the repository’s commitment to robust descriptive metadata from accepted standards for interoperability, and provision of licenses to make data reusable.

Data is findable and accessible if it is assigned a unique identifier on the web and can be easily be retrieved by that identifier. DOI's (digital object identifiers) assigned by InvenioRDM, allow a deposited work to be cited and retrieved online at any time. DOI's for datasets or other elements of research studies can be included in manuscripts, posters, and anywhere where the researcher would like to publicize the deposited resource. Any digital object with a DOI is citeable.
InvenioRDM will allow **private record sharing**, so researchers can:

- Share files with each other, but not anyone else in the university community or the public
- Vet materials collaboratively and privately before switching records to ‘public’ for open access/data sharing

InvenioRDM will have a social component, allowing researchers to:

- Follow other researchers
- Receive updates when someone they follow deposits something
- Manage requests to access files represented by a metadata-only record

Collaborators: Work with them and discover new ones
**Little, Clark and Green's dataset**

**Susan Mork**

aggregate 24/35 paradigms


Blandit mattis potenti. Feugiat sodales pede, penatibus vitae suspendisse interdum maviris congue ipsum, non habitant dapius enim quam. Habitant hac netus vestibulum ut vide, sociis augue adipiscing curae omare dictum tildique, macenas est fusce tempus luctus conubia, platea. Pulvinar enim consedctetur wister temper vulputate.

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Total Size: 80.5 kB

Guillaume

Demo Record with long description. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum at nibh vel torpis tempor sagittis ac tellus. Ut purus tellus, iaculis sit amet eleifend sed, auctor placerat est.


Digital Object Identifier (DOI): [https://doi.org/10.24438/7E94-999](https://doi.org/10.24438/7E94-999)

License: Creative Commons Attribution
Found 3 results.

- **Test-05:09::7:56**
  - Guillaume
  - Test long file name

- **Test-05-14::14:18**
  - Guillaume
  - Using Nested for subjects

- **Test-05-07::14:47**
  - Guillaume
  - Access UI test
The InvenioRDM Team at Northwestern

Galter Health Sciences Library & Learning Center

Sara Gonzales

Matt Carson

Kristi Holmes

Guillaume Viger

Lisa O’Keefe
Links

- Official InvenioRDM site: https://inveniosoftware.org/products/rdm/
- Roadmap: https://inveniosoftware.org/products/rdm/roadmap/
- GitHub: https://github.com/inveniosoftware/invenio-app-rdm
- Documentation: https://invenio-app-rdm.readthedocs.io/en/latest
- Project Boards: https://github.com/orgs/inveniosoftware/projects
- RFC (Request for Comments): https://github.com/inveniosoftware/rfcs

  - Test Login: gla3975
  - Password: InvenioRDM@NU_2019

Install your own instance! https://github.com/inveniosoftware/invenio-app-rdm/wiki
Thanks!

For questions or to let us know your needs as a potential user, please contact me at:

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