

# The InvenioRDM collaboration

## Day 3: Open Source Business Models

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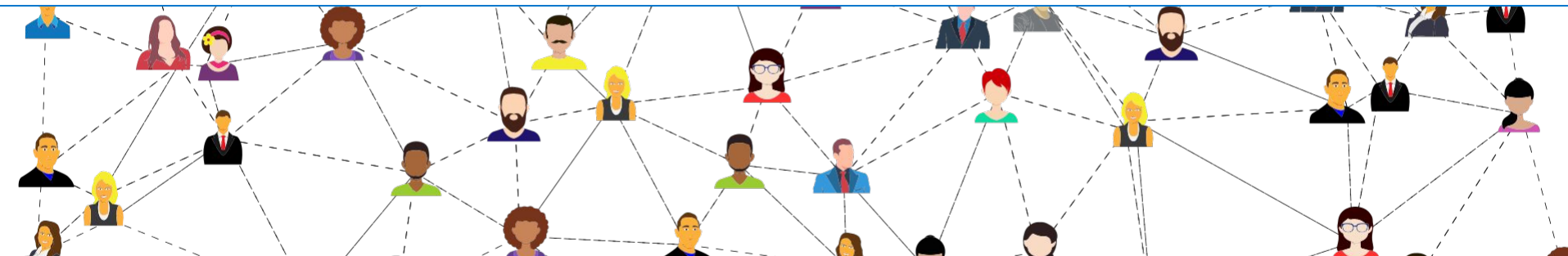
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# The InvenioRDM Project

The Platform (and our journey...)

The Community

# The Platform (and a bit about our own journey)

## User-focused features

- **Research, shared.** Securely share and preserve data records and a wide range of research types with collaborators, with easy dissemination to the community.
- **Communities.** Create and curate communities (e.g., workshop, project, lab, or journal).
- **Integrates with best-practice tools and workflows.** GitHub, Jupyter Notebooks, Binder, and more.
- **Compliance-friendly.** Comply with data sharing mandates\* and acknowledge your funders.
- **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. Contributor roles allows recognition of the whole team.

## “Behind the scenes”

- **Discoverability.** Leverages metadata standards, extensible and customizable metadata, and the powerful Elasticsearch full-text search engine retrieves, facets, sorts, and filters searches with ease.
- **Scalability.** Invenio is fast. Designed to manage 100+ million records and petabytes of files. All data can be archived independently of the size.
- **Technology.** Modular underlying technology (Python, Flask) widely supported. Invenio is JSON-native and provides RESTful APIs to make it easy to build apps on top of the framework.
- **Ethical metrics.** Industry standard usage statistics for record pages with all tracking completely anonymized.
- **Easy.** Turn-key research data management platform & index can be easily deployed in the local environment. A SAAS-model for service via TIND (CERN spinoff). Customize the look and feel to our local environment.
- **A robust OS community:** Large team of developers & active open source community.



The turn-key research data management repository

👉 Coming soon - late 2020



### Roadmap

We intend to be ready with a first release late 2020.



### Forum

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://invenio-software.org/products/rdm/>

## The InvenioRDM project

The InvenioRDM project is an open source collaboration with two main goals:



### Repository Platform

Build a turn-key research data management (RDM) repository platform based on [Invenio Framework](#) and [Zenodo](#).



### Community

Grow a community of research institutions, private companies and individuals to sustain the platform going forward.

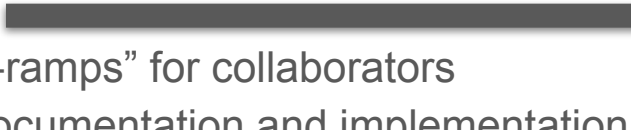
# The InvenioRDM Community

International, interdisciplinary  
collaboration across many  
domains and stakeholders:  
research, academia,  
government, industry

Currently representing Europe,  
Asia, Africa, and North America



# Building (...and launching...and sustaining!) an Open Source community in the age of COVID

- Roadmap updates
  - Governance
  - More robust community engagement (Sara Gonzales)
  - User stories and personas
  - Updated workflows and “on-ramps” for collaborators
  - Dedication to high-quality documentation and implementation resources for adopting sites
- 

**Early-Career Researchers:** *I'm an early career researcher just getting started on my research career. I want to “put my best foot forward” to showcase my work and demonstrate my expertise and collaborations. Our repository gives me a way to make all of my research efforts findable and the metrics are helpful for reporting to leadership. The grant database was a huge help to me as I prepared my proposal and I submitted it successfully last week!*

**Pre-Clinical:** *We're managing a large multi-site project, harmonizing data from numerous sources and managing research projects. We want to create communities of practice to integrate theories, data, techniques, and tools.*

**Basic Science:** *I lead a large basic science research group. We use the repository to support reproducible science by packaging our data and methods in a combined way. Everything gets a unique identifier and versioning is supported. Our lab prioritizes science communication, so the lab graduate students set up a collection of lay summaries of their research projects to enhance engagement and dissemination, tweeting back to the research summaries and other materials.*

**Population Health and Health Equity:** *Our multi-institution health equity project uses InvenioRDM to collaborate with our community-based partners and credit these partnerships. We can share materials from community health events, project materials, training materials, annual reports, and lay summaries of research. InvenioRDM helps us to be better partners, accountable to collaborators and the community. (ChicagoCHEC)*

# Resources & Links

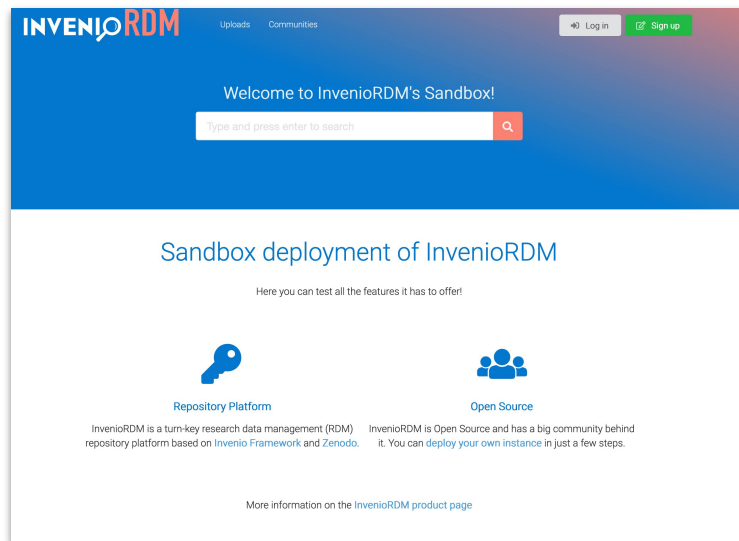
- Official InvenioRDM site: <https://inveniosoftware.org/products/rdm/>
- Roadmap: <https://inveniosoftware.org/products/rdm/roadmap/>
- GitHub: <https://github.com/inveniosoftware/invenio-app-rdm>
- Documentation: <https://inveniordm.docs.cern.ch/>
- Project Boards: <https://github.com/orgs/inveniosoftware/projects>
- Releases: <https://invenio-talk.web.cern.ch/c/projects/invenio-rdm/>

InvenioRDM sandbox: <https://inveniordm.web.cern.ch/>

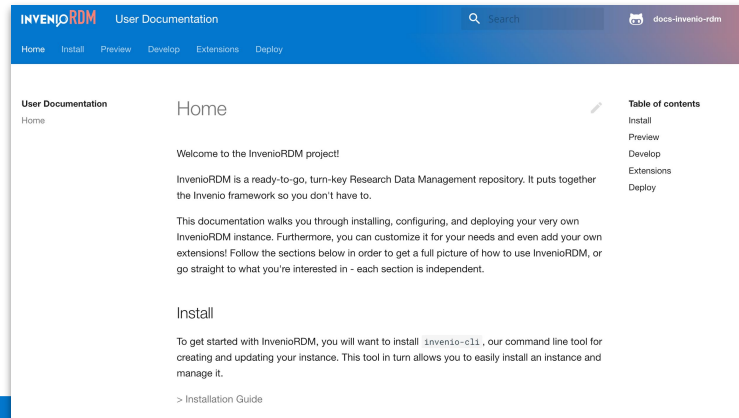
Documentation: <https://inveniordm.docs.cern.ch/>

Install your own instance! <https://inveniordm.docs.cern.ch/>

Thank you!



The screenshot shows the 'Sandbox deployment of InvenioRDM' page. At the top, there's a navigation bar with 'INVENIORDM', 'Uploads', 'Communities', 'Log in', and 'Sign up'. Below the navigation is a search bar with the placeholder text 'Type and press enter to search'. The main heading is 'Sandbox deployment of InvenioRDM'. Underneath, it says 'Here you can test all the features it has to offer!'. There are two main sections: 'Repository Platform' with a key icon and 'Open Source' with a group of people icon. The 'Open Source' section includes the text: 'InvenioRDM is Open Source and has a big community behind it. You can deploy your own instance in just a few steps.' At the bottom, there's a link for 'More information on the InvenioRDM product page'.



The screenshot shows the 'User Documentation' page for InvenioRDM. The navigation bar includes 'INVENIORDM', 'User Documentation', a search bar, and a 'docs-invenio-rdm' link. The main content area has a 'Home' heading and a 'Welcome to the InvenioRDM project!' message. It describes InvenioRDM as a ready-to-go, turn-key Research Data Management repository. The page also includes an 'Install' section with instructions on how to get started. A 'Table of contents' sidebar is visible on the right, listing 'Install', 'Preview', 'Develop', 'Extensions', and 'Deploy'.