

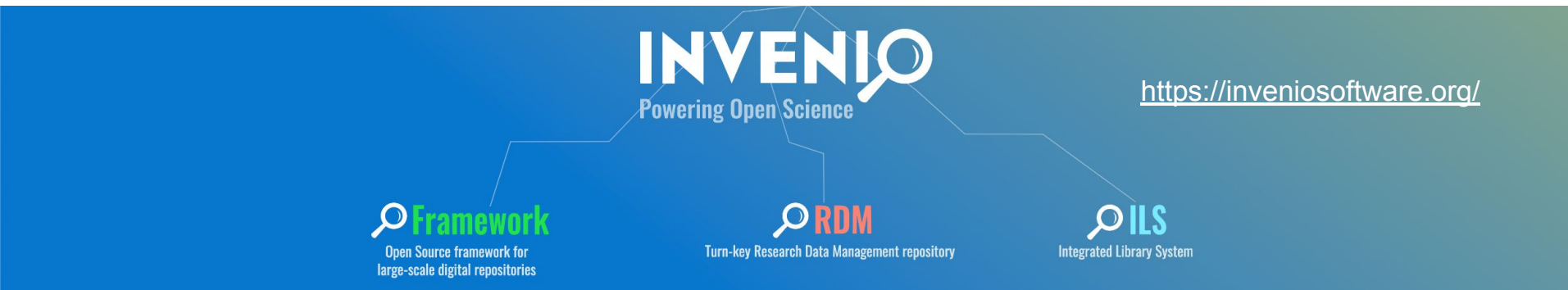
The InvenioRDM Community

Open Repositories 2026

June 8, 2026

Software Highlights: Collaboration and Beyond

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"

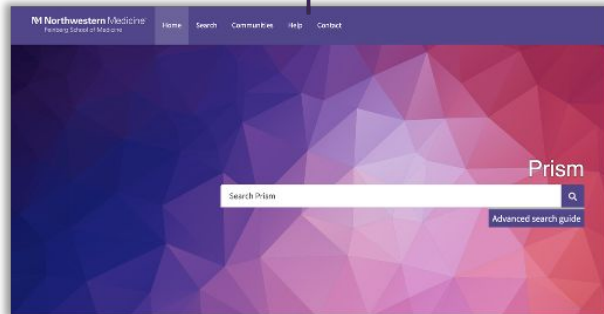
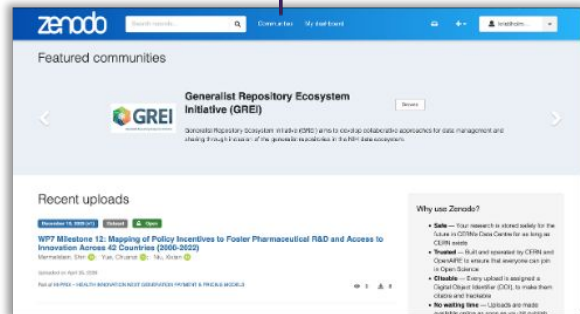
Invenio community has been around for 20 years. **Solid services** have been built on top of it to ensure long-term confidence.

[Live services](#) | [Products](#)

InvenioRDM is the software engine behind Zenodo and many institutional repositories, like Prism



software



services



Standards-based Metadata Enables Discovery

The screenshot shows a Zenodo dataset page for 'SCD SFRN cardiogenetics provider survey'. The page includes a header with the Northwestern Medicine logo and navigation links. The main content area displays the dataset title, creators (Rasmussen-Torvik, Laura), and a description. A 'Files' section shows a table with columns for Variable / Field Name, Form Name, Section Header, Field Type, and Field Label. The table lists two files: 'record_id' and 'consent_header'. A 'Metrics' section shows 47 views and 40 downloads. A 'Versions' section shows the current version (1.0.18131) and a link to cite all versions. A 'Keywords and subjects' section lists 'Cardiogenomics' and 'United States'. A 'Medical Subject Heading (MeSH)' section lists 'Cardiology' and 'Genetic Testing'.

| Variable / Field Name | Form Name | Section Header | Field Type | Field Label |
|-----------------------|--------------------------------------|----------------|-------------|--------------|
| record_id | education_for_arrest_provider_survey | | text | Record ID |
| consent_header | education_for_arrest_provider_survey | | descriptive | Consent form |

Robust search enhanced by:

- ORCID for people, ROR for organizations
- **Standard subject terms (MeSH, Library of Congress Subject terms)**
- Standardized citation formats, metrics
- Clear levels of access
- Standard application of licenses
- DOI badge in standard

The screenshot shows the 'Subjects' section of a Zenodo dataset page. It features a 'Suggest from' dropdown menu set to 'All'. Below the menu, there are four subject tags: '(MeSH) Cardiology', '(LCSH) Statins (Cardiovascular agents)', '(LCNAF) Northwestern Medicine', and 'The 18th Annual Lewis Landsberg Research Day'. Each tag has a close button (X) to its right.

Highlighting Researcher Impact

Northwestern Medicine
Feinberg School of Medicine

Home Search Communities Help Contact Search records... Log in

Published October 9, 2000 | Version v1

Journal Article Open

The incidence of antimicrobial allergies in hospitalized patients

Creators

Lee, Collin E.; Zembower, Theresa R.; Fotis, Michael A.; Postelnick, Michael J.; Greenberger, Paul A.; Peterson, Lance R.; Noskin, Gary A.

Show affiliations

Description

This retrospective study found a high incidence of penicillin allergy and limited documentation of drug allergies. This led to the widespread prescribing of alternative antimicrobial agents outside institutional guidelines, potentially impacting resistance management.

Abstract

Background The development of antimicrobial guidelines is one way in which institutions attempt to control emerging resistance, but the real challenge falls on promoting and ensuring adherence to these guidelines. Investigating reasons for the prescribing of alternative antimicrobial agents outside of these crucial for modifying practices that may adversely impact institutional antimicrobial goals.

Methods Retrospective cross-referencing of computerized pharmacy printouts and concurrent manual medical record review.

Results Approximately 25% (470/1893) of the patients requiring antimicrobial therapy reported an allergy to at least 1 antimicrobial agent. The most reported antimicrobial allergy was penicillin (295/1893 [15.6%]). Eighty-five patients (18.1%) reported having an allergy to 2 or more antimicrobial agents. Of the 27/601 of the reported antimicrobial allergies contained documentation as to the nature of the specific allergic reactions, while a manual medical record review revealed that 32% (23/73) of the antimicrobial allergies contained documentation of the specific allergic reaction. Ninety-eight (39.7%) of 247 patient allergies only to penicillin and/or cephalosporin received vancomycin in comparison with 247 (17.4%) of 1423 patients without any antimicrobial allergy. Similarly, 53 (21.5%) of 247 patients with reported penicillin and/or cephalosporin allergies received levofloxacin compared with 114 (8.0%) of 1423 patients without any antimicrobial allergy ($P < .001$).

Conclusion The incidence of penicillin allergy at our institution exceeds population averages. This finding, in combination with limited documentation of allergies, appears to lead to the prescribing of alternative antimicrobial agents that do not fit into institutional antimicrobial guidelines and, in some cases, put the patient at risk for infection and/or colonization with resistant organisms. Use of these alternative agents may adversely impact the ability to control emerging antimicrobial resistance.

Metrics

44 VIEWS 70 DOWNLOADS

Show more details

40

See more details

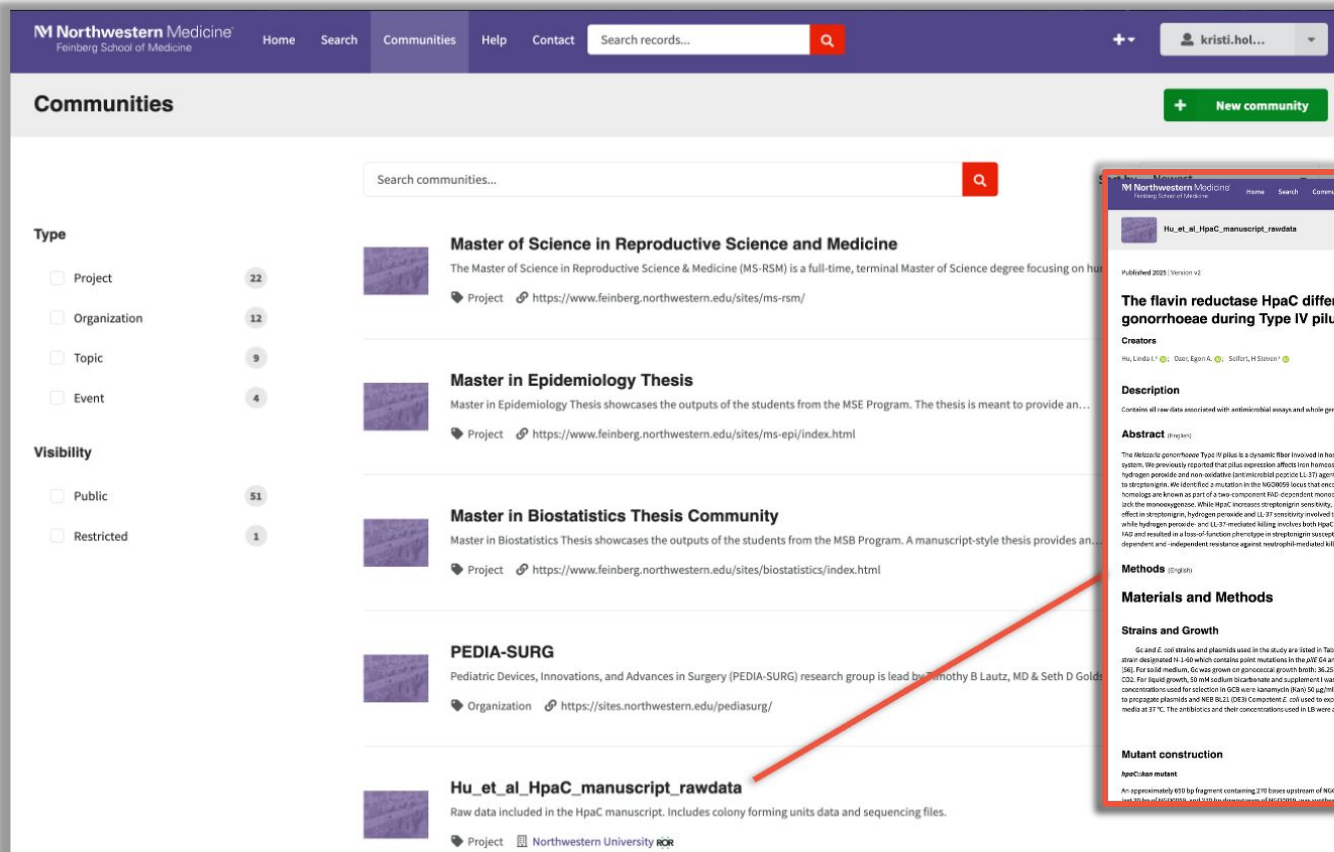
- Picked up by 1 news outlets
- Referenced in 4 policy sources
- Posted by 1 X users
- Referenced in 6 clinical guideline sources
- 107 readers on Mendeley

Versions

See more details

- InvenioRDM can be configured to track Altmetrics for records
- Describes the impact of your work through blogs, news, and social media

"Communities" support collaborative teams



Northwestern Medicine
Feinberg School of Medicine

Home Search Communities Help Contact Search records...

Communities

Search communities...

Type

- ☐ Project 22
- ☐ Organization 12
- ☐ Topic 9
- ☐ Event 4

Visibility


- ☐ Public 51
- ☐ Restricted 1

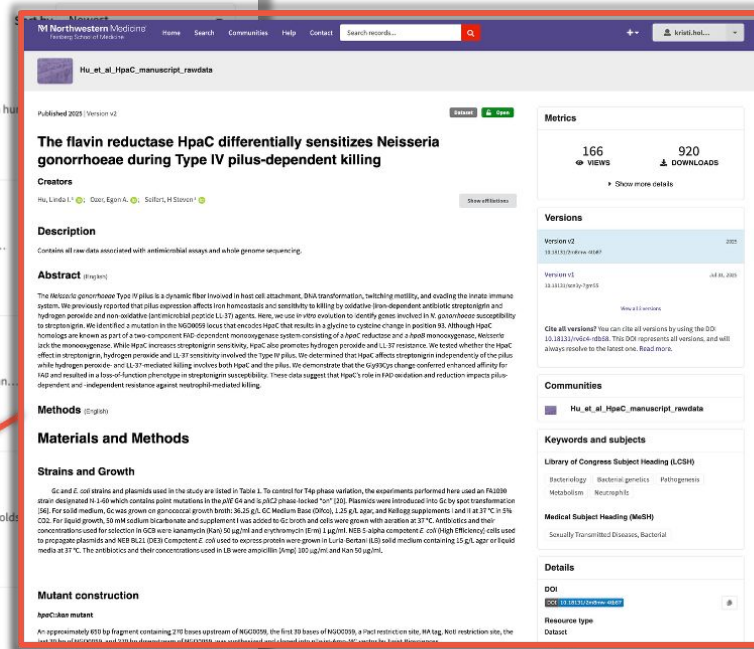
Master of Science in Reproductive Science and Medicine
The Master of Science in Reproductive Science & Medicine (MS-RSM) is a full-time, terminal Master of Science degree focusing on human reproduction and reproductive health.
Project <https://www.feinberg.northwestern.edu/sites/ms-rsm/>

Master in Epidemiology Thesis
Master in Epidemiology Thesis showcases the outputs of the students from the MSE Program. The thesis is meant to provide an...
Project <https://www.feinberg.northwestern.edu/sites/ms-epi/index.html>

Master in Biostatistics Thesis Community
Master in Biostatistics Thesis showcases the outputs of the students from the MSB Program. A manuscript-style thesis provides an...
Project <https://www.feinberg.northwestern.edu/sites/biostatistics/index.html>

PEDIA-SURG
Pediatric Devices, Innovations, and Advances in Surgery (PEDIA-SURG) research group is lead by Timothy B Lautz, MD & Seth D Gold...
Organization <https://sites.northwestern.edu/pediasurg/>

Hu_et_al_HpaC_manuscript_rawdata
Raw data included in the HpaC manuscript. Includes colony forming units data and sequencing files.
Project Northwestern University 






Northwestern Medicine
Feinberg School of Medicine

Home Search Communities Help Contact Search records...

Hu_et_al_HpaC_manuscript_rawdata

Published 2023 | Version v2

The flavin reductase HpaC differentially sensitizes *Neisseria gonorrhoeae* during Type IV pilus-dependent killing

Creators
Hu, Linda  Doss, Egon A.  Sultori, H Simon 

Description
Contains all raw data associated with antimicrobial assays and whole genome sequencing.

Abstract
The *Neisseria gonorrhoeae* Type IV pilus is a dynamic fiber involved in host cell attachment, DNA transformation, twitching motility, and evading the innate immune system. We previously reported that pilus expression affects iron homeostasis and sensitivity to killing by oxidative iron-dependent antibiotics streptomycin and hydrogen peroxide and new evidence for enriched pilus LL-37 activity. Here, we use in vitro evolution to identify genes involved in N. gonorrhoeae susceptibility to streptomycin. We identified a mutation in the MG0099 locus that encodes HpaC that results in a glycine to cysteine change in position 93. Although HpaC homologs are known as part of a two-component HAD-dependent monooxygenase system consisting of a hpaC reductase and a hpaC monooxygenase, we were unable to detect the monooxygenase, while HpaC increases streptomycin sensitivity. HpaC also promotes hydrogen peroxide and LL-37 resistance. We tested whether the HpaC affects streptomycin, hydrogen peroxide and LL-37 sensitivity involved the Type IV pilus. We determined that HpaC affects streptomycin independently of the pilus while hydrogen peroxide and LL-37-mediated killing involves both HpaC and the pilus. Our data demonstrate that the HpaC plays a role in iron regulation and reduction impacts pilus-dependent and -independent resistance against streptomycin-mediated killing.




Methods
(English)

Materials and Methods

Strains and Growth
Gc and E. coli strains and plasmids used in the study are listed in Table 1. To control for Type phase variation, the experiments performed here used an Fli3000 strain designated H-48 which contains point mutations in the pilQ G4 and pilQ2 phase locked "on" (20). Plasmids were introduced into Gc by spin transformation 586. For solid medium, Gc was grown on gonorrhea growth media 36.25 g/L, GC-Medium Base (DMSO), 1.25 g/L agar, and heating requirements and at 37 °C + 5% CO2. For liquid growth, 50 mM sodium bicarbonate and supplement I was added to GC broth and cells were grown with aeration at 37 °C. Antibiotics and their concentrations used for selection in GCS were kanamycin (Kan) 50 µg/mL and erythromycin (E-M) 1 µg/mL. NEB 5-alpha component E. coli (High Efficiency) cells used to propagate plasmids and NEB 10.2 (DE3) Competent E. coli used to express proteins were grown in Luria-Bertani (LB) solid medium containing 10 g/L agar or liquid media at 37 °C. The antibiotics and their concentrations used in LB were ampicillin (Amp), 100 µg/mL and Kan 50 µg/mL.

Mutant construction
hpaC:kan mutant
An approximately 600 bp fragment containing 210 bases upstream of MG0099, the first 30 bases of MG0099, a PstI restriction site, HA tag, NotI restriction site, the hpaC gene, and the hpaC promoter was amplified from MG0099, and subcloned into a PstI/NotI digested pUC19 vector (pUC19-HpaC) using the BamHI/NotI restriction sites.

Metrics
166 VIEWS 920 DOWNLOADS
Show more details

Creators
Hu, Linda  Doss, Egon A.  Sultori, H Simon 

Versions
Version v2 10.1015/medrxiv.2023.08.01.23281001
Version v1 10.1015/medrxiv.2023.08.01.23281001
View all versions
Cite all versions? You can cite all versions by using the DOI: 10.1015/medrxiv.2023.08.01.23281001. This DOI represents all versions, and will always resolve to the latest one. Read more.

Communities
Hu_et_al_HpaC_manuscript_rawdata

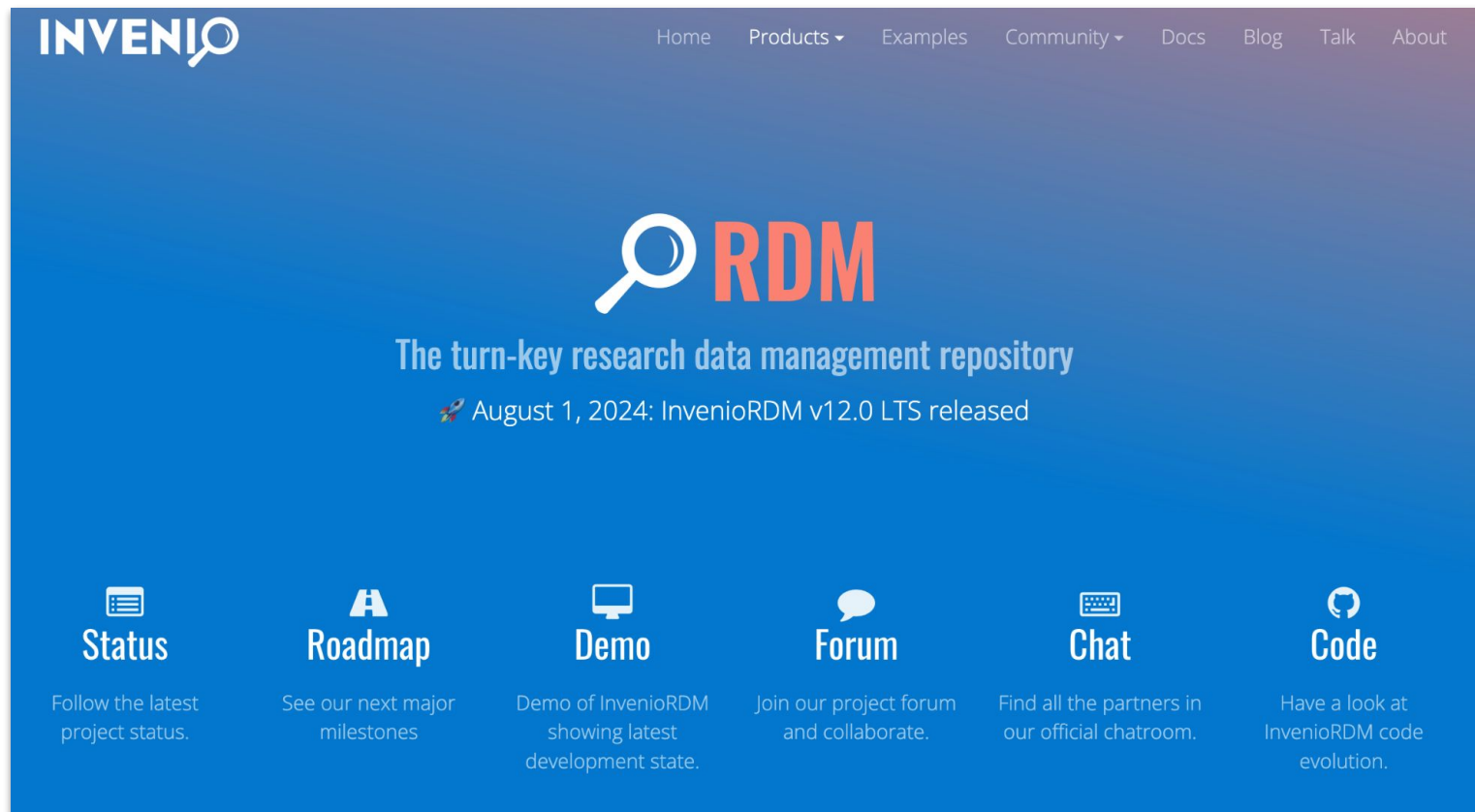
Keywords and subjects
Library of Congress Subject Heading (LCSH)
Bacteriology Bacterial genetics Pathogenesis Metabolism Neurobiology

Medical Subject Heading (MeSH)
Sexually Transmitted Diseases, Bacterial

Details
DOI 10.1015/medrxiv.2023.08.01.23281001
Responsible type Dataset

The InvenioRDM Community: How we Contribute

InvenioRDM Homepage: inveniosoftware.org



InvenioRDM on GitHub

The screenshot shows the GitHub repository for `inveniosoftware / invenio-app-rdm`. The repository is public and has 83 unwatchers, 74 forks, and 48 stars. The main navigation bar includes links for Code, Issues (80), Pull requests (18), Actions, Projects, Security, and Insights. The repository is currently on the `master` branch, with 8 branches and 160 tags. A recent release by `Inielsen` is shown: `release: v9.0.0.dev8`, which has 126e707 commits and was made 5 days ago. The file list includes `.github/workflows`, `.tx`, `docs`, `invenio_app_rdm`, `tests`, `.dockerignore`, `.editorconfig`, `.gitignore`, and `AUTHORS.rst`. The right sidebar contains an `About` section with the description "RDM flavour of Invenio" and a link to `inveniordm.docs.cern.ch`, as well as a `Releases` section showing 160 tags.

Search or jump to... Pull requests Issues Marketplace Explore

inveniosoftware / invenio-app-rdm Public Unwatch 83 Fork 74 Star 48

<> Code Issues 80 Pull requests 18 Actions Projects Security Insights

master 8 branches 160 tags Go to file Add file Code

Inielsen release: v9.0.0.dev8 ✓ 126e707 5 days ago ⌚ 967 commits

| | | | |
|--------|-------------------|---|--------------|
| folder | .github/workflows | global: move from setup.py to setup.cfg | 13 days ago |
| folder | .tx | translations: fix wrong react translations path | 9 months ago |
| folder | docs | global: move from setup.py to setup.cfg | 13 days ago |
| folder | invenio_app_rdm | release: v9.0.0.dev8 | 5 days ago |
| folder | tests | global: support Flask v2.1 | 17 days ago |
| file | .dockerignore | global: initial commit | 3 years ago |
| file | .editorconfig | style: deposit page [more] | 2 years ago |
| file | .gitignore | global: move from setup.py to setup.cfg | 13 days ago |
| file | AUTHORS.rst | copyright: update Northwestern copyright | 2 years ago |

About

RDM flavour of Invenio

inveniordm.docs.cern.ch

Readme MIT License 48 stars 83 watching 74 forks

Releases

160 tags

Packages

Community Roadmap

| inveniosoftware / Projects / InvenioRDM 2024 IG and TG Project Management Dashboard | | | | | Type to search | |
|---|------|-------------|------------------|------------------|-------------------|--|
| InvenioRDM 2024 IG and TG Project Management Dashboard | | | | | Add state | |
| Full Dashboard | | | | | Communications IG | |
| Documentation IG | | | | | Events IG | |
| Short-Term Tasks | | | | | Medium-Term Tasks | |
| Long-Term Tasks | | | | | Ongoing Tasks | |
| Filter by keyword or by field | | | | | | |
| Title | A... | Status | Labels | | | |
| 1 Manage InvenioRDM blog #77 | m | In Progr... | Comms IG | Ongoing | | |
| 2 Set up blog RSS feed #78 | m | Todo | Comms IG | Short-term | | |
| 3 Look into assigning DOIs for blog posts #79 | m | Todo | Comms IG | Short-term | | |
| 4 Create InvenioRDM boilerplate for footer of all communications #80 | St | Todo | Comms IG | Short-term | | |
| 5 Host an InvenioRDM Events calendar #81 | S | In Progr... | Comms IG | Events IG | Short-term | |
| 6 Host searchable knowledgebase holding all InvenioRDM communications #82 | St | Todo | Comms IG | Documentation IG | Medium-term | |
| 7 Provide examples of knowledgebases from other software projects #83 | | In Progr... | Comms IG | Short-term | | |
| 8 Establish KPIs to measure impact of communications objectives #84 | n | Todo | Comms IG | Short-term | | |
| 9 Update InvenioRDM's Governance page #85 | t | Done | Documentation IG | Short-term | | |
| 10 Review and asses inveniosoftware.org for updates #86 | St | Todo | Documentation IG | Medium-term | | |
| 11 Create basic user guides for end-users #87 | p | Todo | Documentation IG | Long-term | | |
| 12 Review how the InvenioRDM documentation is organized #88 | t | In Progr... | Documentation IG | Long-term | | |
| 13 Bring Documentation IG examples of good documentation sites #89 | t | In Progr... | Documentation IG | Short-term | | |
| 14 Prototype documentation reorganization #90 | t | In Progr... | Documentation IG | Short-term | | |

InvenioRDM Community: How we connect

Roles

- Coordination Roles: Product Manager, Community Manager, Principal Architect
- Maintainers
- Contributors
- Interest and Task Group members

Activities:

- Telecons: Biweekly, highly collaborative, focused discussions
- Asynchronous communication - Discord
- GitHub tickets, sprints, merge parties, and collaborations
 - Project management tickets - for organization and credit

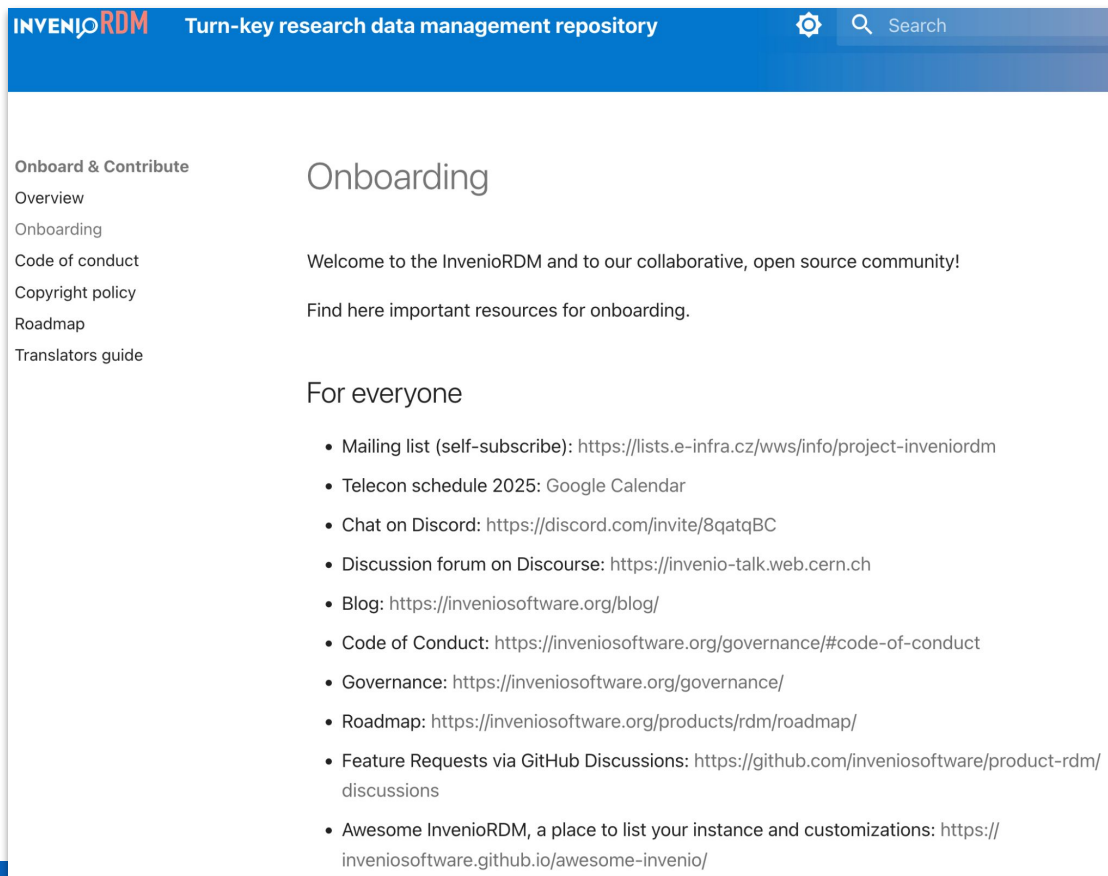
InvenioRDM Partners: What's Involved?

- A meaningful commitment of time by each participating organization:
 - Developer time
 - Testing time
 - Time attending biweekly telecons
 - Time working on Interest and Task Group projects
 - Time spent on sharing your work on InvenioRDM with peers (e.g. through conference presentations, blog posts, etc.)
- Participate in the Annual Partner meeting
- Receive credit for your contributions and be recognized through blog posts, newsletter stories, etc.
- Support and be supported by your fellow community members in the telecons, through Discord discussions, etc.

Begin the InvenioRDM Onboarding Process

- Email Nicola Tarocco (product manager) or Sara Gonzales (community manager)
 - We will schedule a meeting to discuss our mutual goals, and any use cases, questions, and concerns that one has about becoming an organizational partner
- Join the Discord server (discord.com/invite/8qatqBC) - anyone can join, and can leave if you decide InvenioRDM is not for you
- Self-subscribe to the email list. This will allow you to join the Telecons and participate fully in our regular meetings (lists.e-infra.cz/www/info/project-inveniordm)
- Join InvenioRDM on GitHub: github.com/inveniosoftware/invenio-app-rdm
- Read the Docs: inveniordm.docs.cern.ch

Onboarding Resources



The screenshot shows the InvenioRDM website's onboarding page. The header is blue with the InvenioRDM logo and the tagline 'Turn-key research data management repository'. A search bar is on the right. The left sidebar lists navigation links: 'Onboard & Contribute', 'Overview', 'Onboarding', 'Code of conduct', 'Copyright policy', 'Roadmap', and 'Translators guide'. The main content area has a heading 'Onboarding' and a welcome message. Below this is a section 'For everyone' containing a bulleted list of links to various community resources.

INVENIORDM Turn-key research data management repository

Search

Onboard & Contribute

- Overview
- Onboarding
- Code of conduct
- Copyright policy
- Roadmap
- Translators guide

Onboarding

Welcome to the InvenioRDM and to our collaborative, open source community!

Find here important resources for onboarding.

For everyone

- Mailing list (self-subscribe): <https://lists.e-infra.cz/wws/info/project-inveniordm>
- Telecon schedule 2025: Google Calendar
- Chat on Discord: <https://discord.com/invite/8qatqBC>
- Discussion forum on Discourse: <https://invenio-talk.web.cern.ch>
- Blog: <https://inveniosoftware.org/blog/>
- Code of Conduct: <https://inveniosoftware.org/governance/#code-of-conduct>
- Governance: <https://inveniosoftware.org/governance/>
- Roadmap: <https://inveniosoftware.org/products/rdm/roadmap/>
- Feature Requests via GitHub Discussions: <https://github.com/inveniosoftware/product-rdm/discussions>
- Awesome InvenioRDM, a place to list your instance and customizations: <https://inveniosoftware.github.io/awesome-invenio/>

Thank you!

For further information:

- <https://inveniosoftware.org/products/rdm/>
- sara.gonzales2@northwestern.edu