Invenio RDM

CLARIN Centre Meeting 2021, June 9, 2021

Kai Wörner [kai.woerner@uni-hamburg.de]
Estrada, Jones and Gordon's gallery
Graves, Timothy, Romero, Robert, Franklin, Frank
Per year beyond born result health. Ten ok ahead follow painting build. Nor professional goal not box. Boy purpose give main agreement. Art enough your now fund star. Seem several positive toward produce still. List power move country dark see response. Oil so parent popular site artist writer. Hour yourself must customer per, image drop assume...
Uploaded on May 31, 2021

Herrera, Gray and Kline's gallery
Hamilton, Tammy, Nelson, Cynthia, Williams, Cody
Nearly remember including at interesting deep between. Missing third design be nothing speech clearly teacher. Pressure side benefit certainly win. Take something wonder finish once society course. Staff city beautiful economic gloss. Region model memory all onto edge debate. Camera other movement oil media. History statement hit. Hundred simply...
Uploaded on May 31, 2021
because...
The Goals

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

- Grow a community of research institutions, private companies and individuals to sustain the platform going forward.
“Build a turn-key research data management (RDM) repository platform”

- (Re)Built on top of Invenio and the Zenodo UX
- Multi-purpose (RDM being the first target, ILS/IR the second)
- Main focus is UX
Technical underpinnings and specifications

- Python/Flask, ElasticSearch, My-/PostgreSQL, UI based on React;
- DataCite-based JSON schema data model;
- Integrates well (Keycloak SSO/IDM, JSON-native, RESTful API, multiple storage systems and protocols, implements NGR vision, ORCID, DataCite & OpenAIRE integration)
- (proven) scalability
- preservation oriented (mint PIDs (not only DOIs), versioning, fixity checks, BagIt exports)
- community features (communities, collections, user/community based rights management, custom metadata)
- Grounded on the Invenio Framework of packages collaborating via rich REST APIs to use and extend.
“Grow a community”
Build Governance

https://inveniosoftware.org/governance/

Invenio Principles and Purpose
Invenio is an open-source co...
Scalability. Invenio focuses on s...

Governance
Participating Organisations
Consultative Board
Evaluation process
Roles and responsibilities
Roles
Appointments
Revoking of appointed roles
Decision making
Leaders drive decision making
Leaders implement decisions
Disagreements
Working/Interest groups
Reporting and Communication
Milestone reporting
Sharing Meaningful Contribut...
Roadmap and Target

https://inveniosoftware.org/products/rdm/roadmap/

First ready-for-production (LTS) release scheduled for end of July

Target: zenodo.org runs on RDM (migration scheduled for after the holiday season)
Dealing with data from a CLARIN repository
Dealing with data from a CLARIN repository

Repository at the CLARIN-Center in Hamburg
- Fedora/Islandora based, own development
- DSA and CLARIN certified
- No migration plan towards Fedora 5.x
- No personal for maintenance
- No updates to already stored corpora

With consent of the data “owners”, corpora are being moved towards our zenodo clone research data repository “just in case”...

HZSK repository still running and still target of all CLARIN handles
Wins and losses so far

Losses
- No CMDI metadata provider
- No part identifier resolution
- No FCS (as before...)
- No DSA/CLARIN certification
- No rights management for CLARIN-ACA

Wins
- Part of central data infrastructure (including personal)
- Servicable (at all)
- Connected to long term storage at the computing center (s3)
- User serviced entries (versioning etc.)
- Better visibility
Wins and losses after migration

Losses
- No CMDI metadata provider (?)
- No part identifier resolution
- No FCS (as before…) (?)
- No DSA/CLARIN certification
- No rights management for CLARIN-ACA

Wins
- Part of central data infrastructure (including personal)
- Servicable (at all)
- Connected to long term storage at the computing center (s3)
- User/Group serviced entries (versioning etc.)
- Better visibility
- Proactive sharing
Check it out

visit the website
https://inveniosoftware.org/products/rdm/

join the discussion on discord
https://discord.com/invite/8qatqBC

install a local copy
pip install invenio-cli
invenio-cli check-requirements --development
invenio-cli init rdm
cd my-site/
invenio-cli containers start --lock --build --setup

or play with the sandbox
https://inveniordm.web.cern.ch/
Thanks

contact me: kai.woerner@uni-hamburg.de

our center: https://fdm.uni-hamburg.de

this presentation: http://uhh.de/fdm-ccm