Data Archiving and Networked Services

Dataverse*NL*

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European Dataverse Workshop 2020
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UiT The Arctic University of Norway

Content of my Presentation (1)

- DANS and the DANS services
- Cooperative Model of Dataverse*NL*
- Institutional metrics
- Core trust Seal of Tilburg University (SWORD interface to long term preservation archive EASY)
- Ideas about development (Dutch) DataTags

The Netherlands Institute for Permanent Access to Digital Research Resources

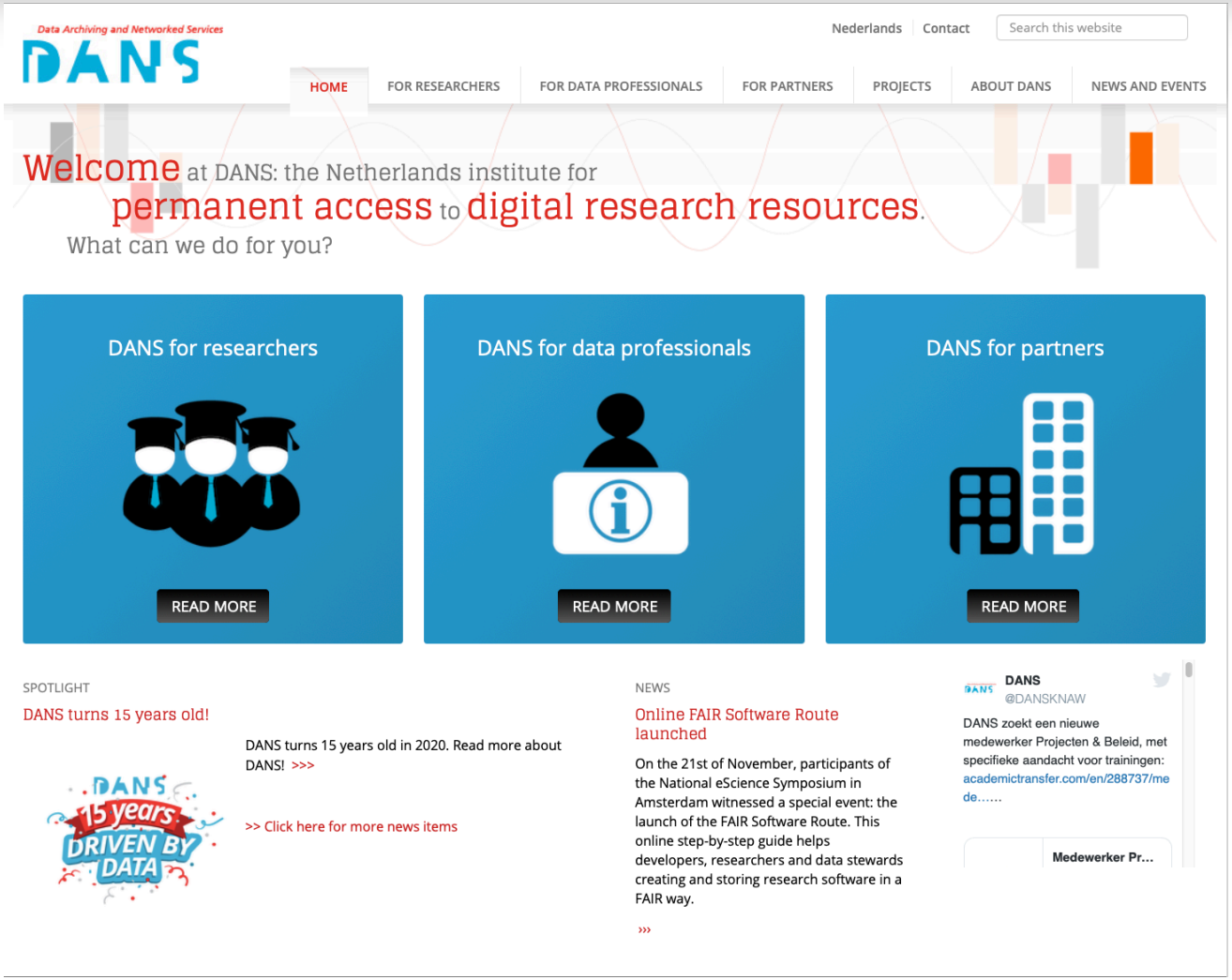
Located in The Hague

Mission: promote and provide permanent access to digital research resources

Institute of Dutch Academy and Research Funding Organisation (KNAW & NWO) since 2005

First predecessor dates back to 1964 (Steinmetz Foundation), Historical Data Archive 1989

3 different Groups of Stakeholders



3 Data Services and Training

DataverseNL	Data Repository service for Dutch universities and research institutes
EASY	Certified online archiving system for depositing data * User interface (researchers) * Machine interface (institutes)
NARCIS	*the* national Portal with scientific information including (open access) publications, datasets and descriptions of research projects, experts research institutes in the Netherlands

Training & Consultancy

Content of my Presentation (2)

- DANS and the DANS services
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Why Dataverse*NL*? (1)

- Growing requirements for data managements by Research Funders & Institutions
- Institutions want to provide a system to support RDM and data sharing for their research staff
- Changing role of Research/University libraries: finding new roles in information/data services

Why Dataverse*NL*? (2)

Alternatives for institutions:

- Develop local data services including data repository → Radboud University Nijmegen
- Use a commercial supplier of repository services/systems → University of Amsterdam (Figshare for institutes)
- Use existing national/international data repository services → for example: Zenodo, Dryad, Dataverse
- "Shared Services" in a public cooperation → DataverseNL

Cooperative Model

- Collaboration agreement + S.L.A.
- Shared costs (service membership + storage)
- Advisory Board consisting of partner representatives decides on the general policy and direction
- Administrators committee to discuss technical and functional issues
- DANS provides and manages the system & storage, organizes the meetings (back-office)
- Research institutions run their own RDM-support for their staff (front-office)
- Every partner is responsible for their own content

Advantages for Dataverse*NL* Partners

- Efficient: low costs for partners
- Build common RDM support experience
- Advisory Board and Administrators Committee provide platform for exchange and learning from each other
- One instance: search across partner holdings
- Dataverse is Open Source

Currently 13 Partners

DataverseNL

4TU. CENTRE FOR RESEARCH DATA

VU VRIJE UNIVERSITEIT AMSTERDAM

TILBURG UNIVERSITY

Understanding Society

U M

Utrecht University

NIOO

rijksuniversiteit groningen

Universiteit Leiden

Hanzehogeschool Groningen
University of Applied Sciences

NIOZ

PThU
Amsterdam Groningen

avans hogeschool

Trimbos instituut

DataverseNL

Metrics | 40,430 Downloads

Contact | Share

Welcome to DataverseNL

Utrecht University | Maastricht University | Tilburg University | University of Groningen

Search this dataverse... | Find | Advanced Search

- Dataverses (339)
- Datasets (1,298)
- Files (6,091)

Dataverse Category

Organization or Institution (108)
Research Group (58)
Research Project (44)
Department (22)
Researcher (13)

More...

Publication Year

2019 (651)
2016 (225)
2018 (202)
2013 (163)
2017 (156)

More...

Author Name

1 to 10 of 1,637 Results | Sort

Dataset: Thiol-free Self-assembled Oligoethylene Glycols Enable Robust Air-stable Molecular Electronics

Jan 20, 2020 - Stratingh Institute for Chemistry Dataverse

Qiu, Xinkai; Ivasyshyn, Viktor; Qiu, Li; Enache, Mihaela; Dong, Jingjin; Rousseva, Sylvia; Portale, Giuseppe; Stöhr, Meike; Hummelen, Jan C.; Chiechi, R.C., 2020, "Dataset: Thiol-free Self-assembled Oligoethylene Glycols Enable Robust Air-stable Molecular Electronics", https://hdl.handle.net/10411/I3J7II, DataverseNL, V1

Self-assembled monolayers (SAMs) are widely used to engineer the surface properties of metals. The relatively simple and versatile chemistry of metal-thiolate bonds makes thiolate SAMs the preferred option in various applications, yet fragility and tendency to oxidize in air limi...

Code related to RData file "Student-Supervisor data of South African Universities 1973-2014".

Jan 17, 2020 - Far from random? The role of homophily in student supervision

Rossello, Giulia; Cowan, Robin, 2020, "Code related to RData file "Student-Supervisor data of South African Universities 1973-2014".", https://hdl.handle.net/10411/TZ8JOI, DataverseNL, V2

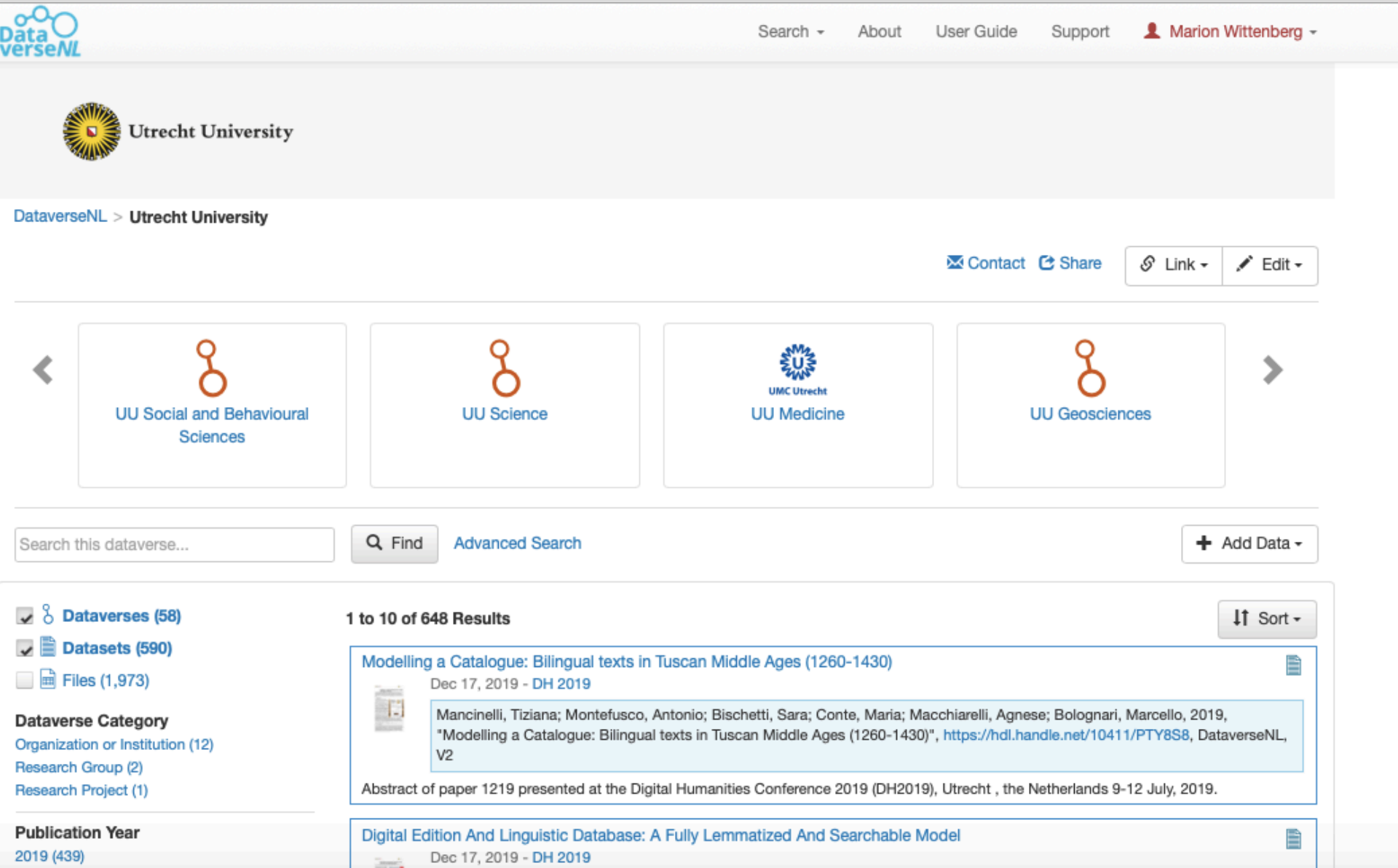
Code related to the RData file on Student-Supervisor data of South African Universities 1973-2014.

Replication Data for: Attentional bias for alcohol cues in visual search - increased engagement, difficulty to disengage or both?

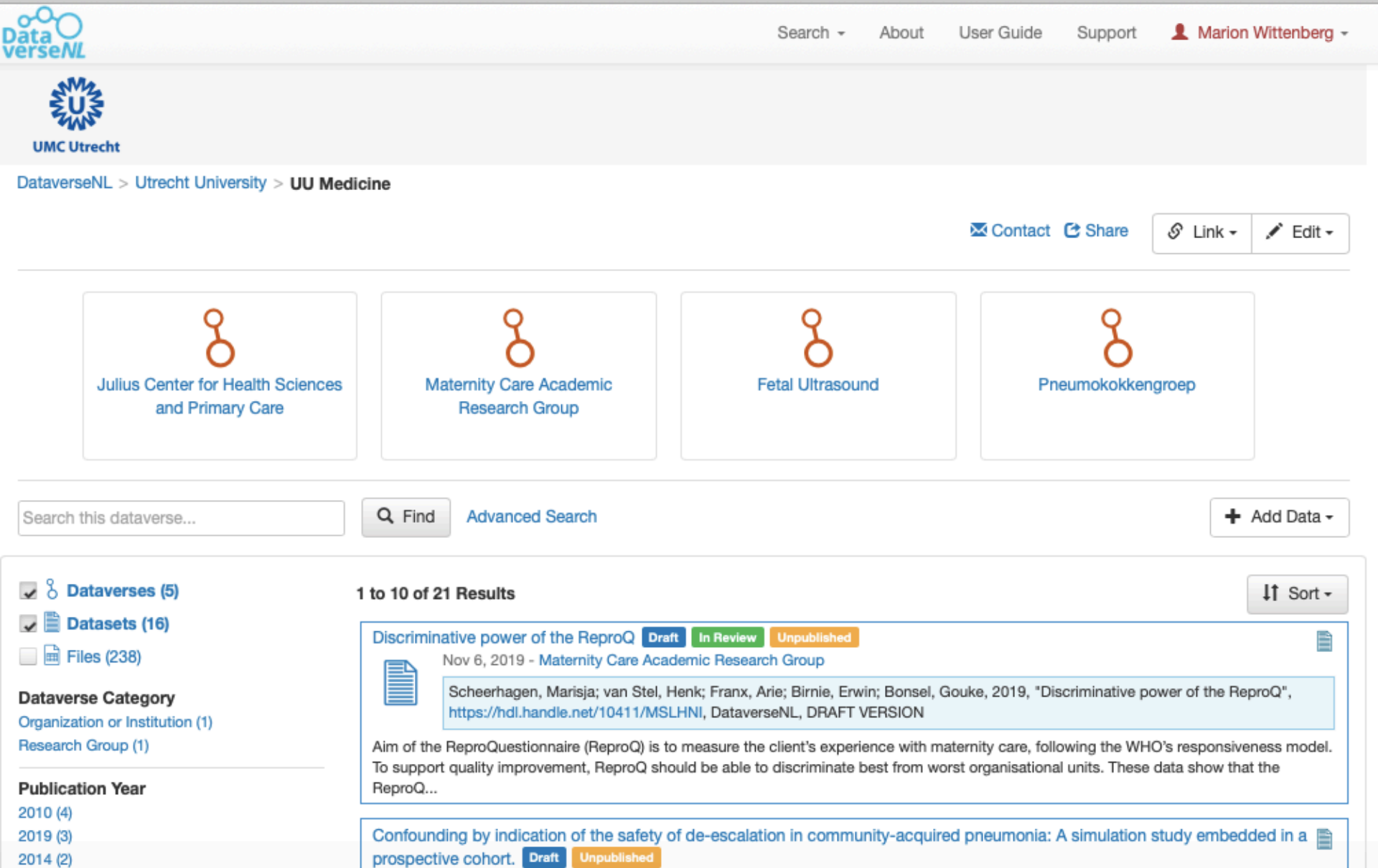
Jan 16, 2020 - Heymans Institute for Psychological Research

Heitmann, Janika; Jonker, Nienke C; Ostafin, Brian D.; De Jong, Peter J., 2020, "Replication Data for: Attentional bias for alcohol cues in visual search - increased engagement, difficulty to disengage or both?", https://hdl.handle.net/10411/N0VDLZ, DataverseNL, V1

Hierarchical Structure per Institute (1)



Hierarchical Structure per Institute (2)



Disadvantages and challenges?

- Collaborative model is less business-like and straightforward: Some institutions may prefer other business models:
  - outsourcing to a commercial provider
  - developing and managing in-house solutions
- How to serve best universities with different priorities and RDM policies within one system and under one agreement?
  - It is possible, but at a cost: it takes time to agree on common wishes (e.g. future functional requirements)

    - But: does it make sense that RDM policies and practices vary among institutions?
  - Some partners have stricter requirements for Service Level Agreements than others

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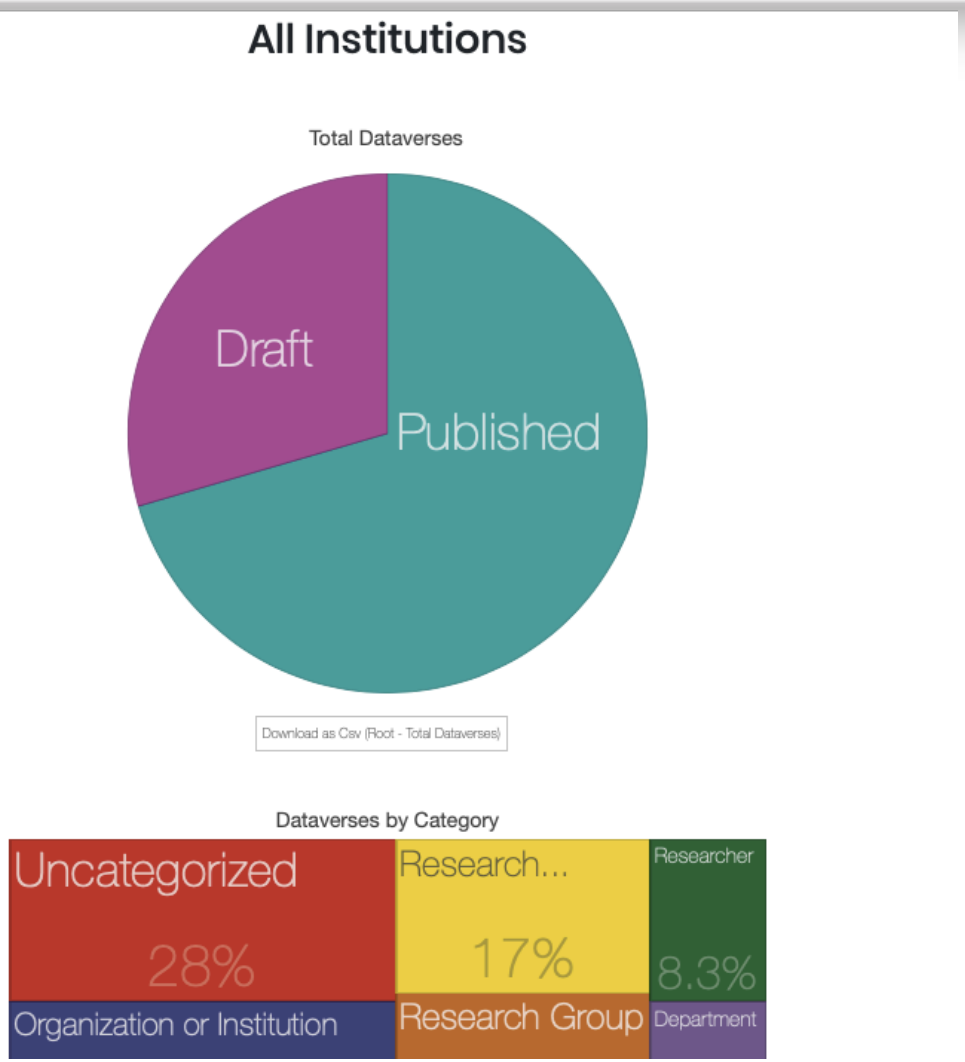
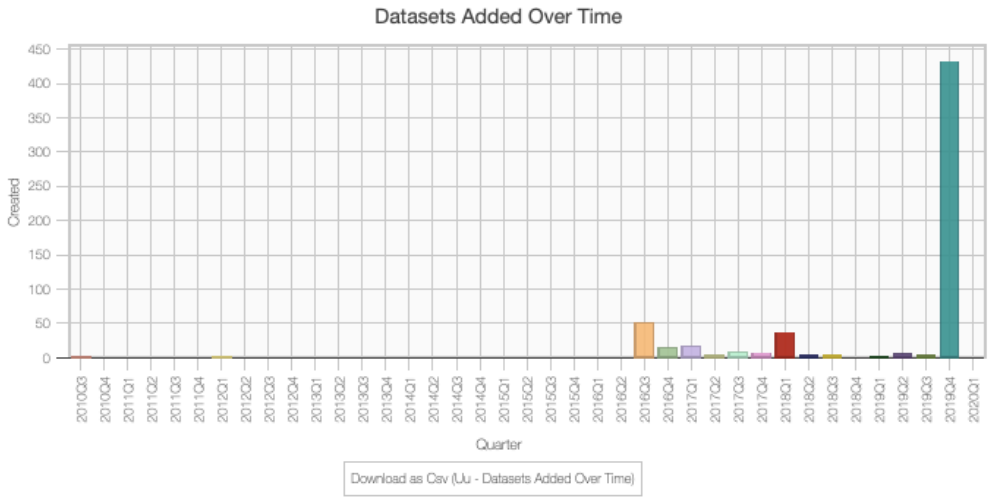
Institutional metrics

- All Institutions
- 4TU.Center for Research Data
- DANS
- Leiden University
- Maastricht University
- NIOO-KNAW
- Protestantse Theologische Universiteit
- Tilburg University
- Tilburg University - Workspace
- University of Groningen
- Utrecht University
- Vrije Universiteit Amsterdam
- Trimbos Instituut



Metrics from Utrecht University



Content of my Presentation (4)

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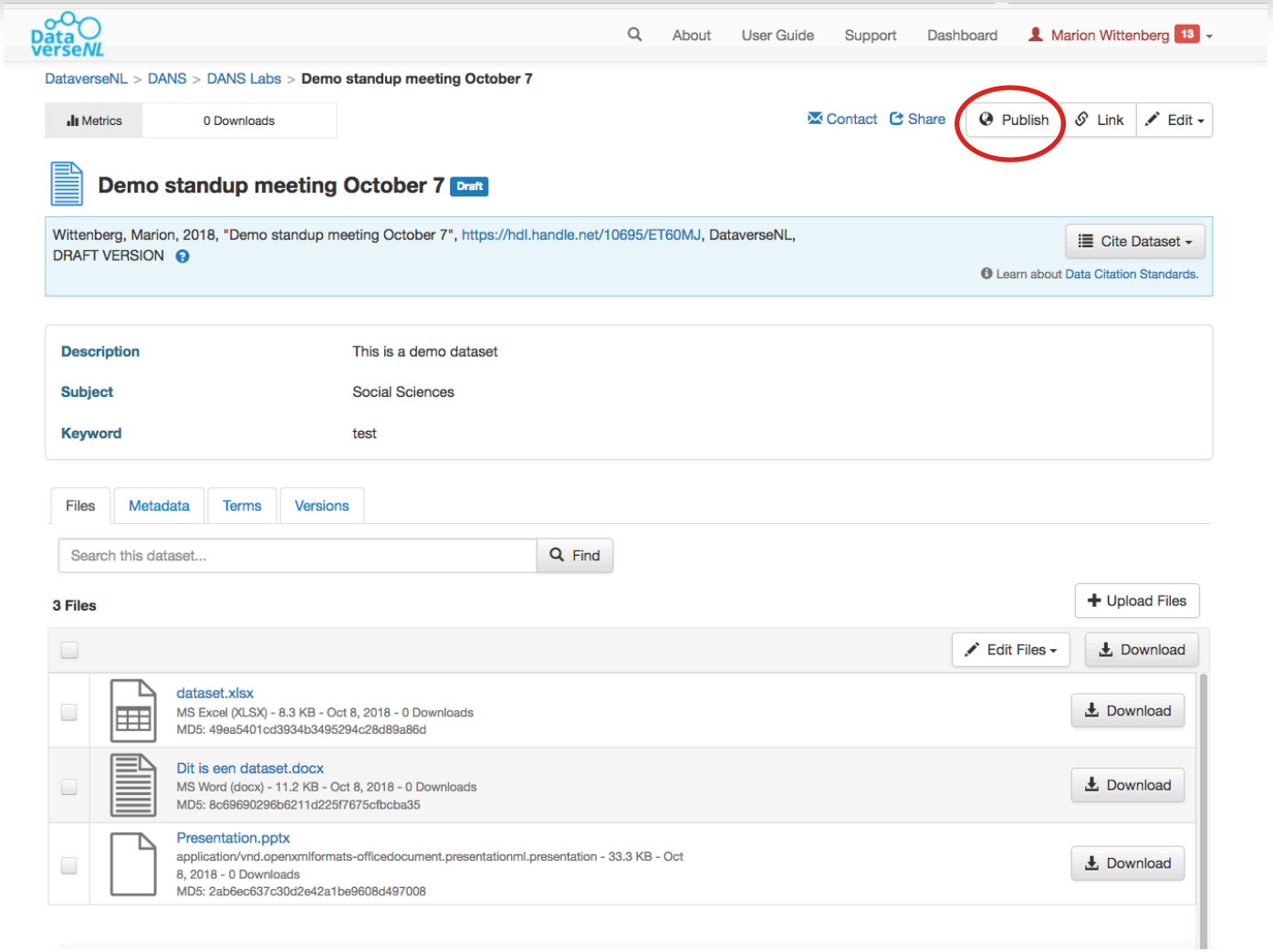
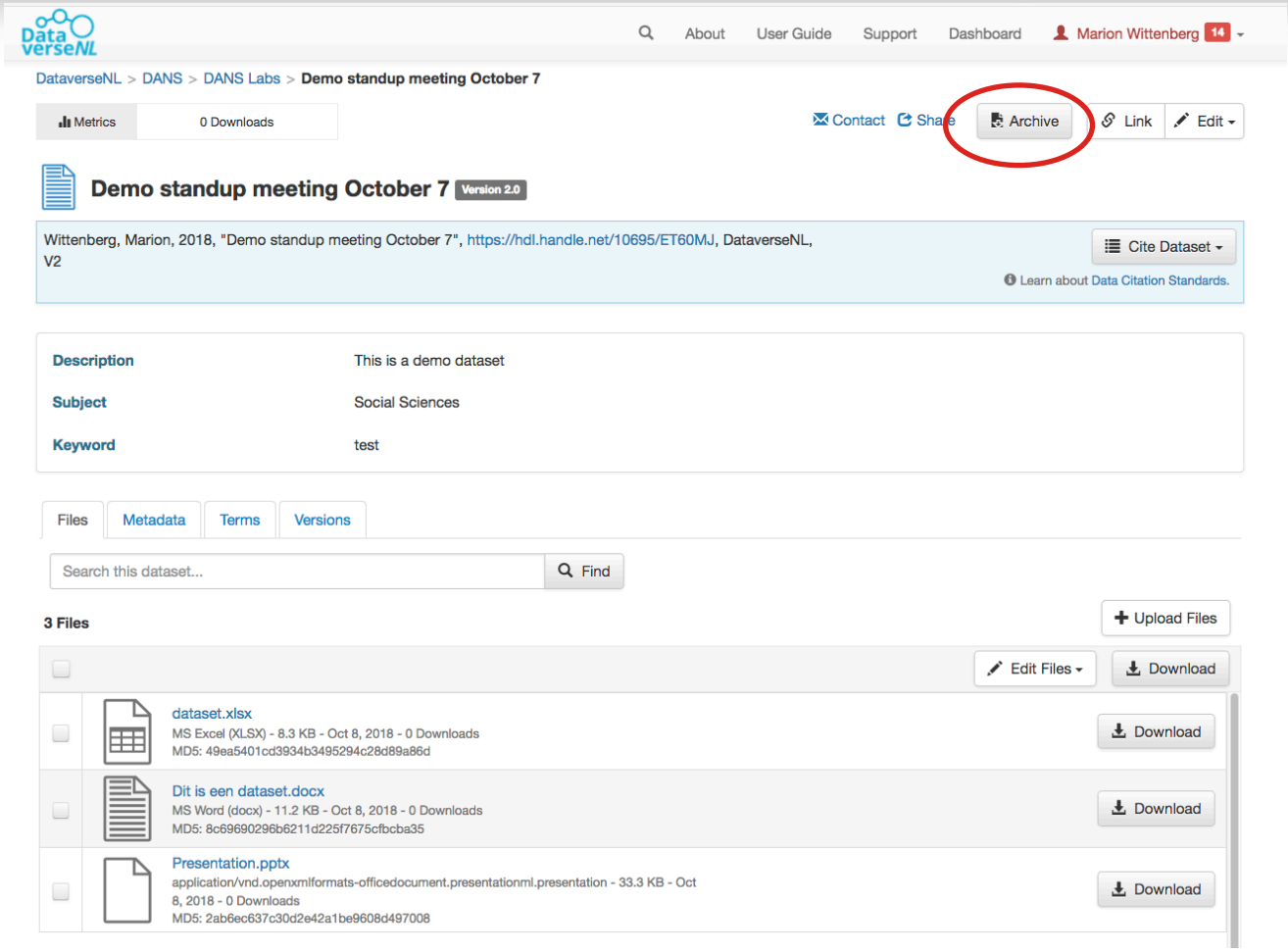
Tilburg University Dataverse

- Tilburg University responsible for workflow research data management in dataverses of Tilburg University within DataverseNL
- Long term preservation is outsourced to DANS EASY
- SWORD interface between DataverseNL and EASY

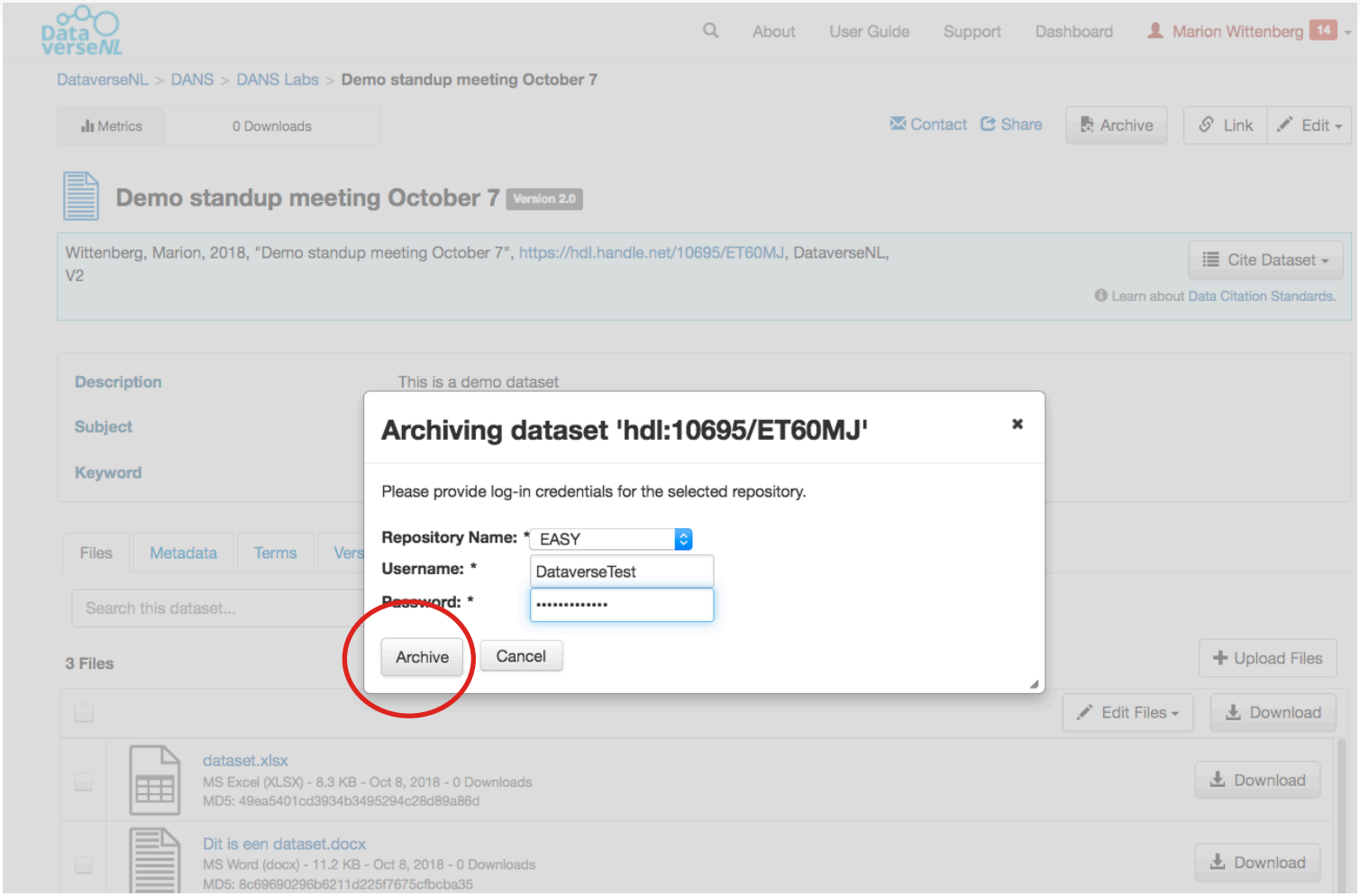
Draft Dataset in DataverseNL > Publish Button



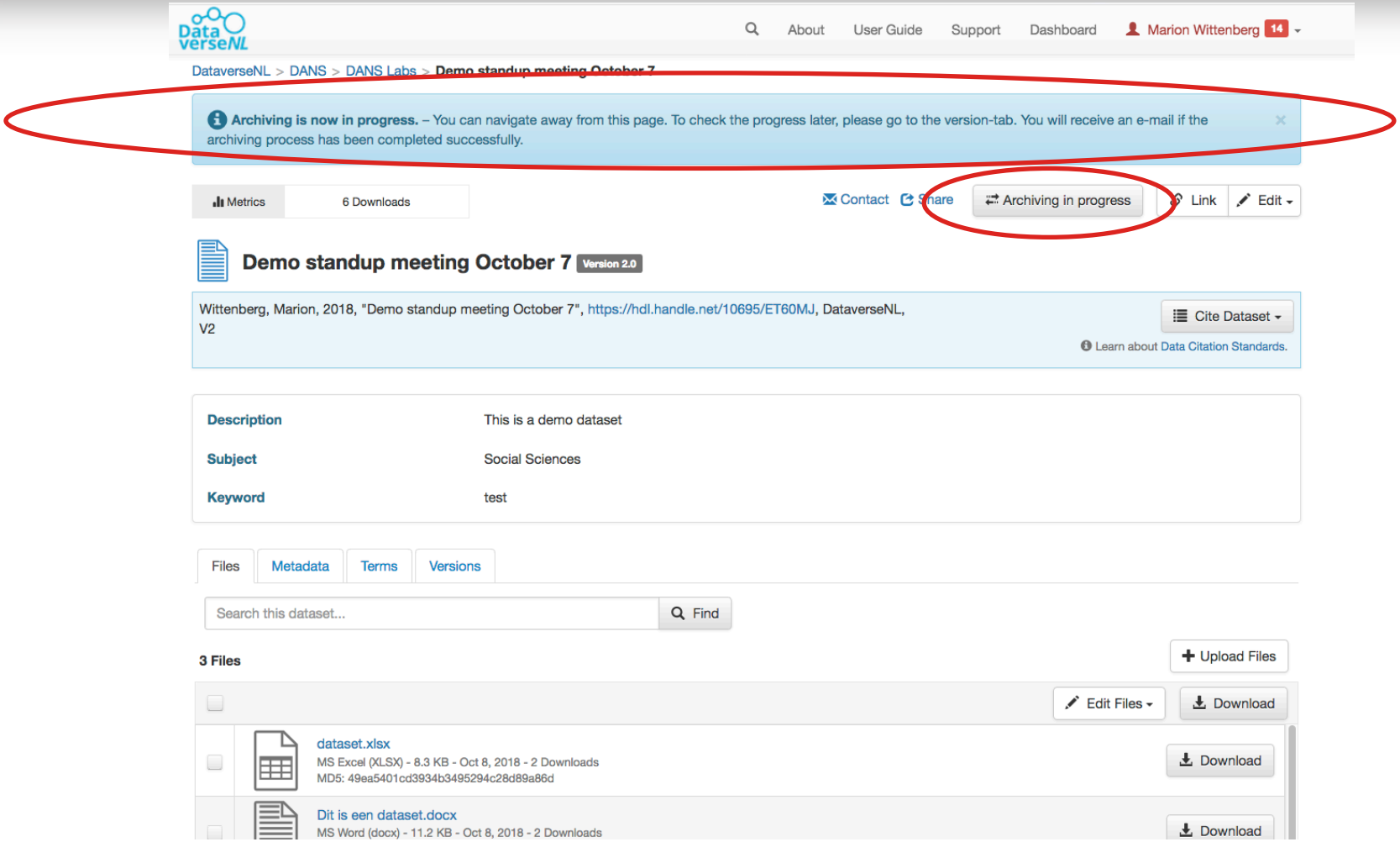
Published Dataset > Archive Button



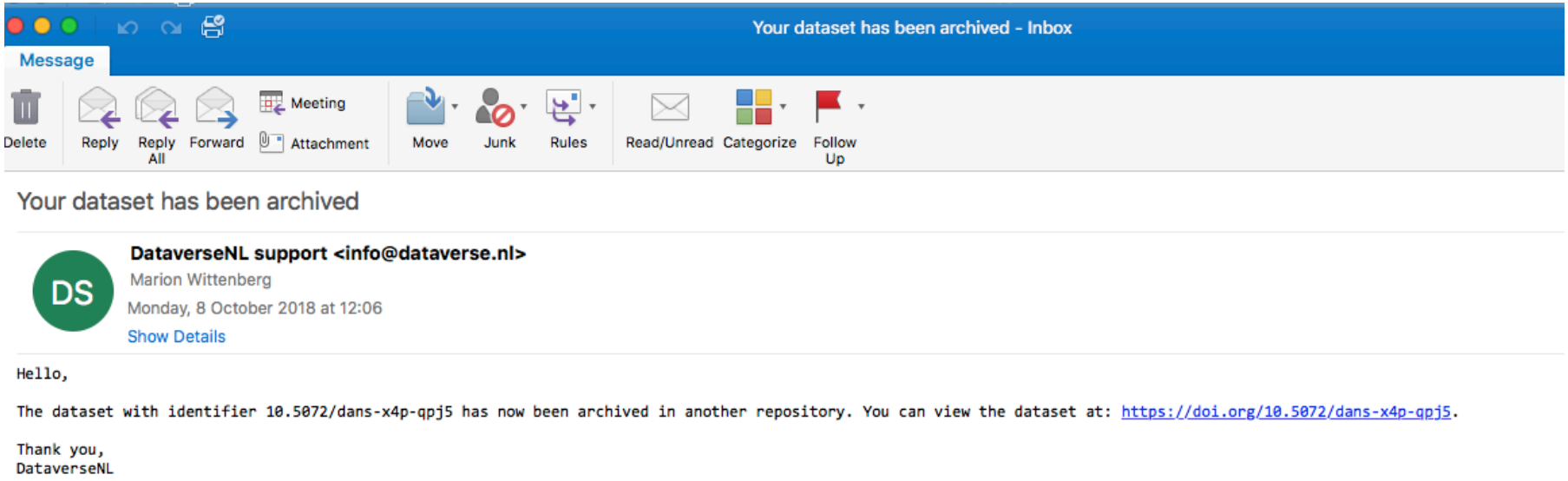
Login Screen (only available for Local Admins)



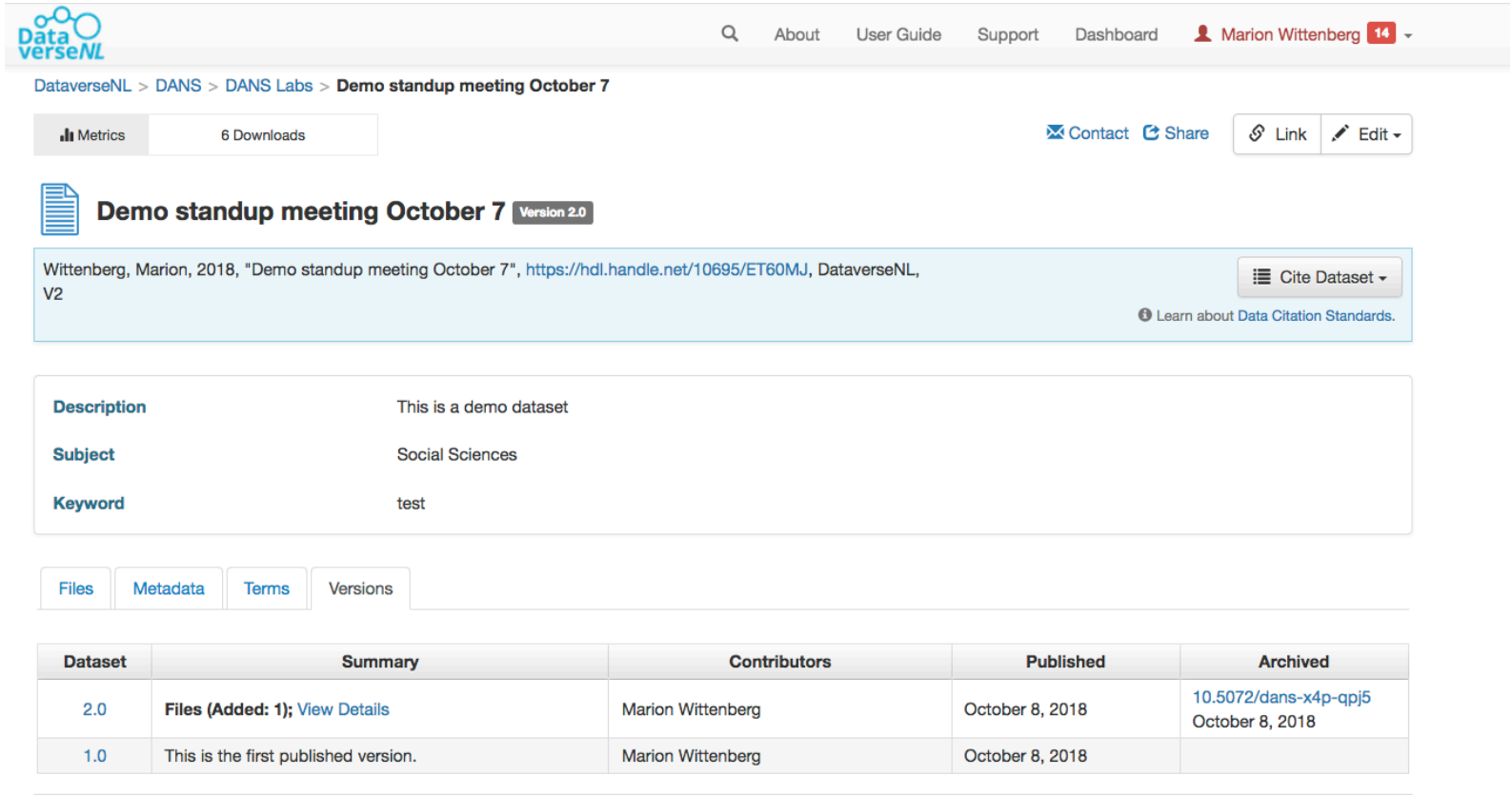
Archive in Progress



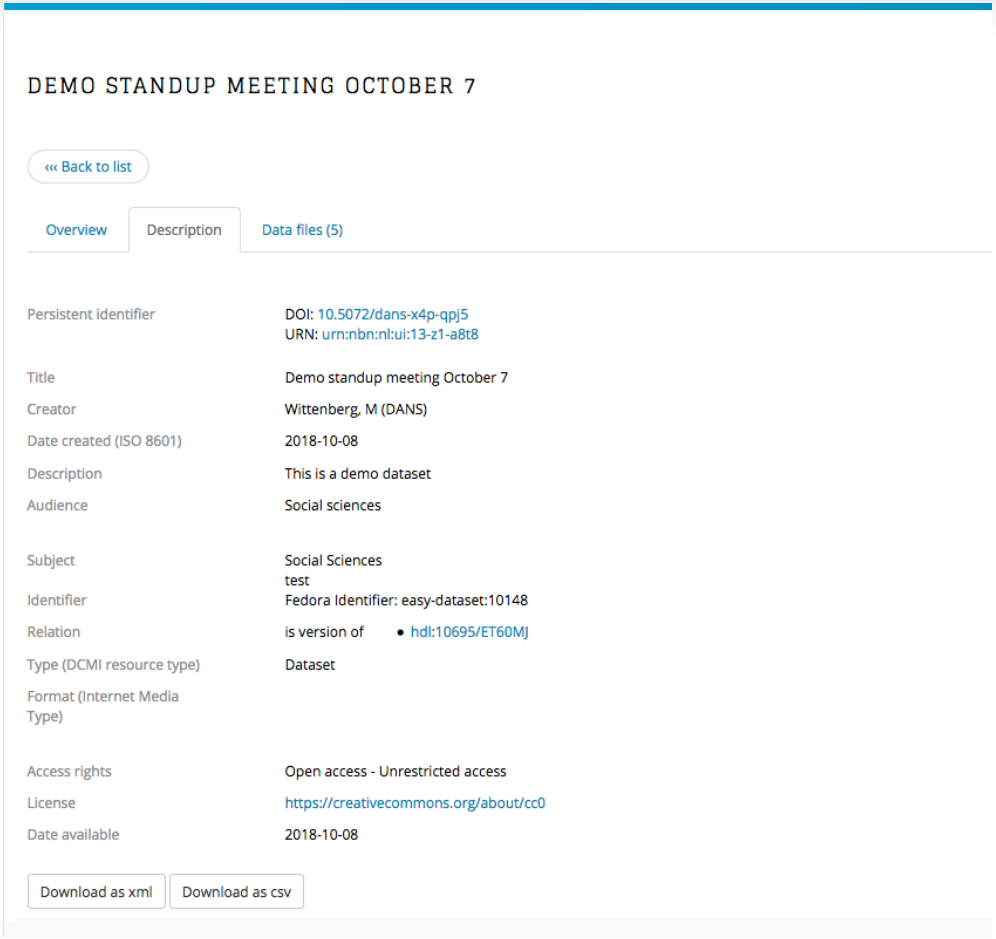
Email with Notification



EASY DOI in Version Overview



Dataset in EASY



DEMO STANDUP MEETING OCTOBER 7

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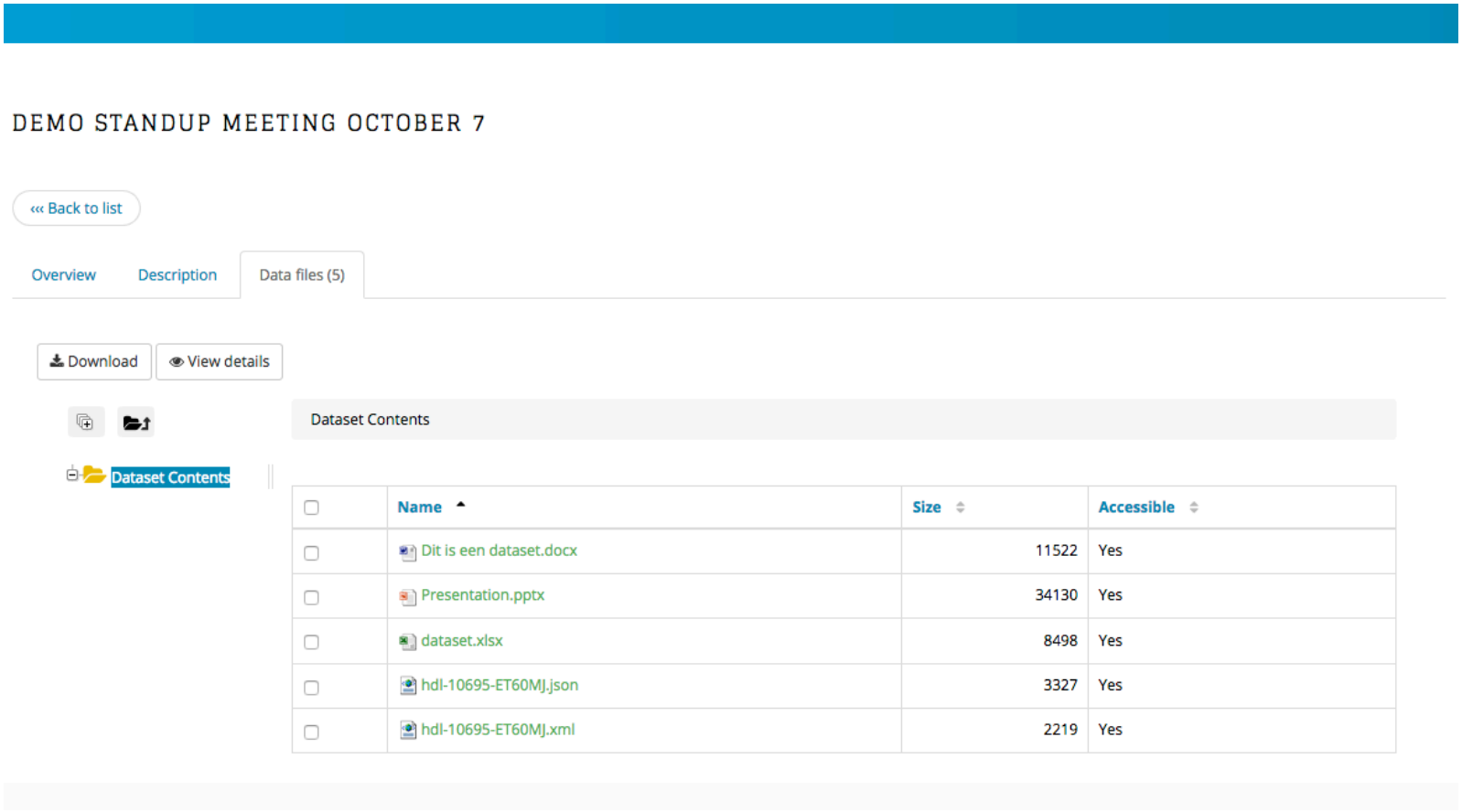
Overview | Description | Data files (5)

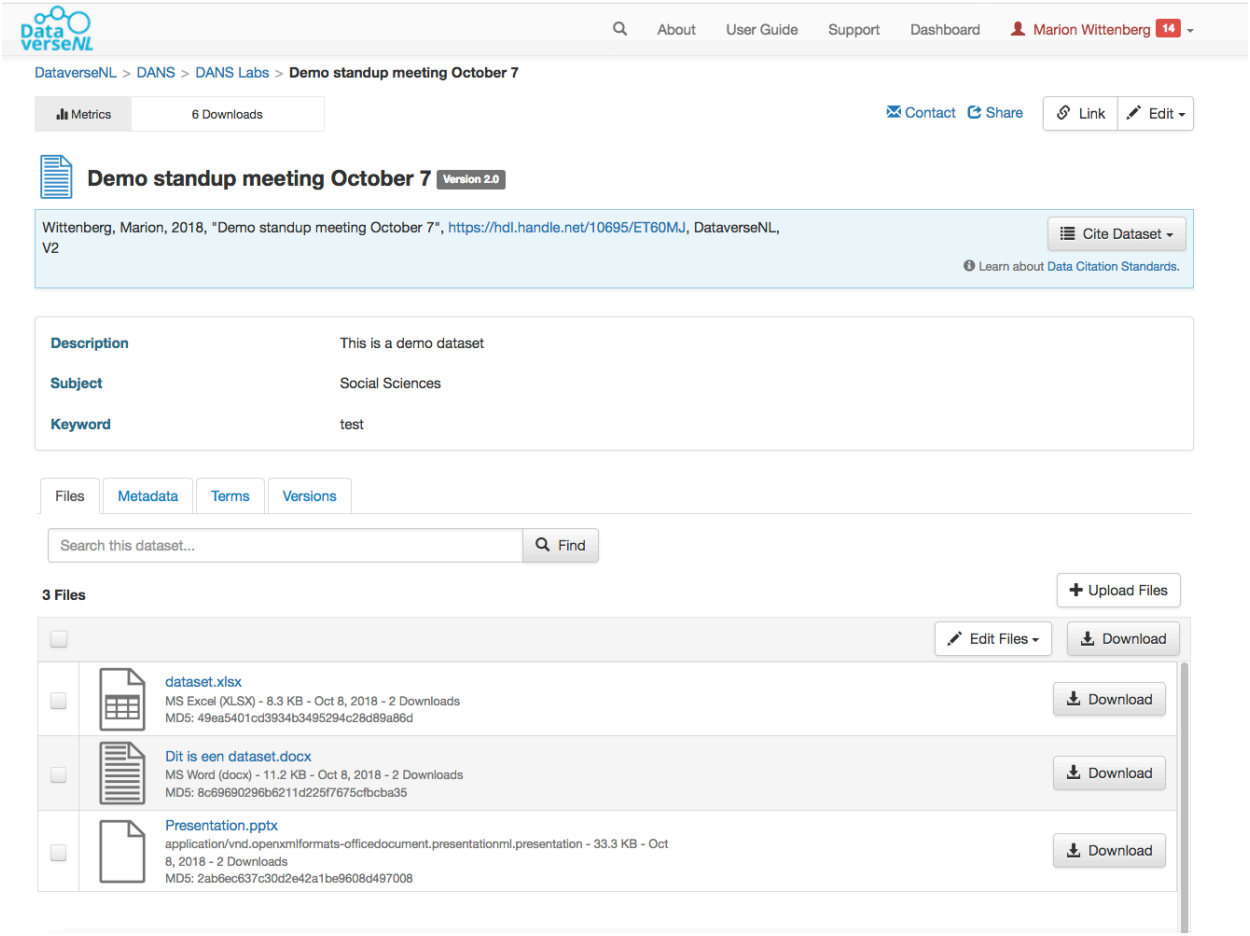
Persistent identifier	DOI: 10.5072/dans-x4p-qpj5 URN: urn:nbn:nl:ui:13-z1-a8t8
Title	Demo standup meeting October 7
Creator	Wittenberg, M (DANS)
Date created (ISO 8601)	2018-10-08
Description	This is a demo dataset
Audience	Social sciences
Subject	Social Sciences test
Identifier	Fedora Identifier: easy-dataset:10148
Relation	is version of • hdl:10695/ET60MJ
Type (DCMI resource type)	Dataset
Format (Internet Media Type)	
Access rights	Open access - Unrestricted access
License	https://creativecommons.org/about/cc0
Date available	2018-10-08

Download as xml | Download as csv

Files in EASY



Archive Button is Gone



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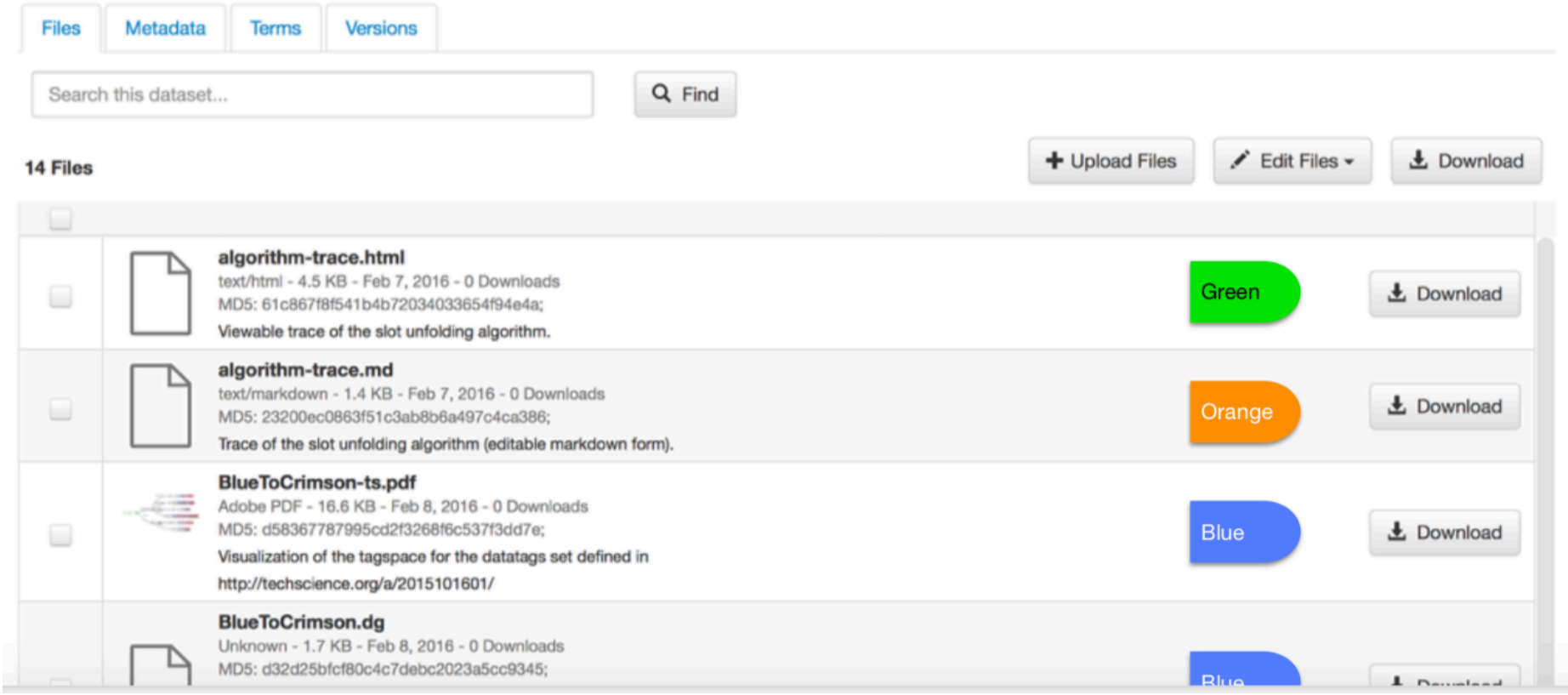
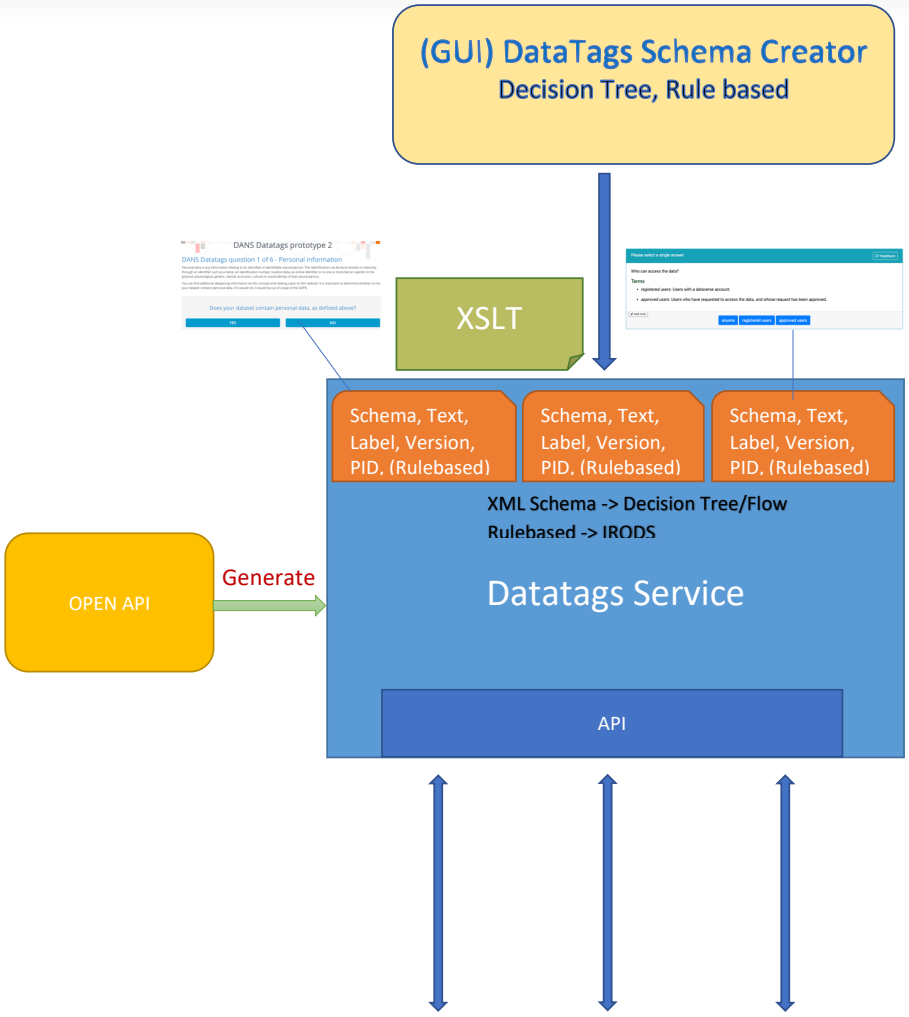
DataTags (based on legislation)



Idea to Discuss with Harvard Team



Data Archiving and Networked Services

DANS

DataverseNL

Questions?

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