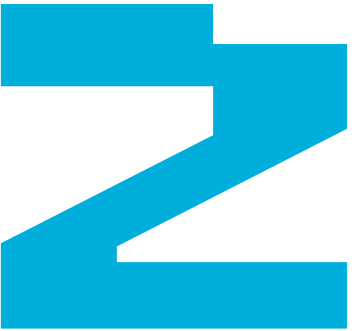




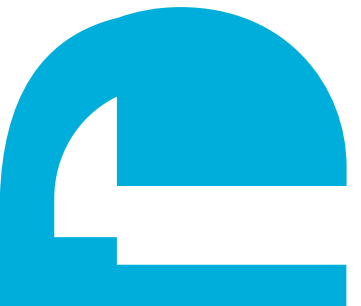
*Data Archiving and Networked Services*



**DataverseNL**



**Marion Wittenberg**  
**Service manager DataverseNL**



European Dataverse Workshop 2020  
Tromsø, 23-24 January 2020  
UiT The Arctic University of Norway

DANS is an institute of KNAW and NWO

*Driven by data*

# Content of my Presentation (1)

- DANS and the DANS services
- Cooperative Model of DataverseNL
- 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

The screenshot shows the homepage of the Data Archiving and Networked Services (DANS) website. At the top, there is a navigation bar with the DANS logo, a language selector for 'Nederlands', a 'Contact' link, and a search box. Below the navigation bar, a horizontal menu lists 'HOME', 'FOR RESEARCHERS', 'FOR DATA PROFESSIONALS', 'FOR PARTNERS', 'PROJECTS', 'ABOUT DANS', and 'NEWS AND EVENTS'. The main content area features a large welcome message: 'Welcome at DANS: the Netherlands institute for permanent access to digital research resources. What can we do for you?'. Below this, three blue boxes highlight the services for different stakeholder groups: 'DANS for researchers' (with an icon of three graduation caps), 'DANS for data professionals' (with an icon of a person and an information symbol), and 'DANS for partners' (with an icon of two buildings). Each box includes a 'READ MORE' button. The bottom section is divided into three columns: 'SPOTLIGHT' featuring a 'DANS turns 15 years old!' announcement with a celebratory graphic and a link to more news; 'NEWS' featuring an article about the 'Online FAIR Software Route launched' with a brief description and a link; and a social media section for Twitter showing a tweet from @DANSKNAW about a new employee project and training.

# 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
- Cooperative Model of DataverseNL
- Institutional Metrics
- Core trust Seal of Tilburg University (SWORD interface to long term preservation archive EASY)
- Ideas about development (Dutch) Data tags

# Why DataverseNL? (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 DataverseNL? (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 DataverseNL 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



# Welcome to DataverseNL



Utrecht University

Utrecht University



Maastricht University


 Understanding Society  
 Tilburg University
rijksuniversiteit  
 groningen

University of Groningen





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

## Dataverse Category

 Organization or Institution (108)

 Research Group (58)

 Research Project (44)

 Department (22)

 Researcher (13)

## Publication Year

 2019 (651)

 2016 (225)

 2018 (202)

 2013 (163)

 2017 (156)

## Author Name

1 to 10 of 1,637 Results

### 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/TZ&JOI>, 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)



DataVerseNL > Utrecht University

Contact Share Link Edit

Navigation bar with four institute cards: UU Social and Behavioural Sciences, UU Science, UU Medicine (UMC Utrecht), and UU Geosciences.

Search this dataverse... Find Advanced Search Add Data

- Datasets (58)
- Files (590)
- Files (1,973)

**Dataverse Category**  
Organization or Institution (12)  
Research Group (2)  
Research Project (1)

**Publication Year**  
2019 (439)

1 to 10 of 648 Results Sort

**Modelling a Catalogue: Bilingual texts in Tuscan Middle Ages (1260-1430)**  
Dec 17, 2019 - DH 2019  
Mancinelli, Tiziana; Montefusco, Antonio; Bischetti, Sara; Conte, Maria; Macchiarelli, Agnese; Bolognari, Marcello, 2019, "Modelling a Catalogue: Bilingual texts in Tuscan Middle Ages (1260-1430)", <https://hdl.handle.net/10411/PTY8S8>, DataVerseNL, V2  
Abstract of paper 1219 presented at the Digital Humanities Conference 2019 (DH2019), Utrecht, the Netherlands 9-12 July, 2019.

**Digital Edition And Linguistic Database: A Fully Lemmatized And Searchable Model**  
Dec 17, 2019 - DH 2019

# Hierarchical Structure per Institute (2)



Julius Center for Health Sciences  
and Primary Care



Maternity Care Academic  
Research Group



Fetal Ultrasound



Pneumokokkengroep

Search this dataverse...

 Find

[Advanced Search](#)

 Add Data ▾

 **Dataverses (5)**

 **Datasets (16)**

 **Files (238)**

### Dataverse Category

Organization or Institution (1)

Research Group (1)


### Publication Year

2010 (4)

2019 (3)

2014 (2)

1 to 10 of 21 Results

 Sort ▾

Discriminative power of the ReproQ **Draft** **In Review** **Unpublished** 

Nov 6, 2019 - Maternity Care Academic Research Group



Scheerhagen, Marisja; van Stel, Henk; Franx, Arie; Birnie, Erwin; Bonsel, Gouke, 2019, "Discriminative power of the ReproQ", <https://hdl.handle.net/10411/MSLHNI>, DataverseNL, DRAFT VERSION

Aim of the ReproQuestionnaire (ReproQ) is to measure the client's experience with maternity care, following the WHO's responsiveness model. To support quality improvement, ReproQ should be able to discriminate best from worst organisational units. These data show that the ReproQ...

Confounding by indication of the safety of de-escalation in community-acquired pneumonia: A simulation study embedded in a prospective cohort. **Draft** **Unpublished** 

# 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



# Content of my Presentation (2)

- DANS and the DANS services
- Cooperative Model of DataverseNL
- **Institutional Metrics**
- Core trust Seal of Tilburg University (SWORD interface to long term preservation archive EASY)
- Ideas about development (Dutch) Data tags

# 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

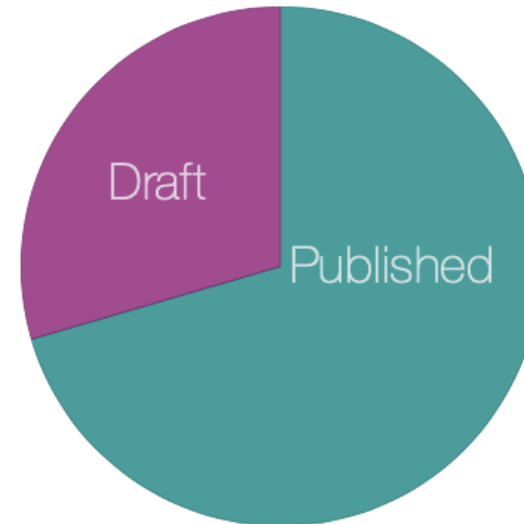
Utrecht University

Vrije Universiteit Amsterdam

Trimbos Instituut

## All Institutions

Total Dataverses

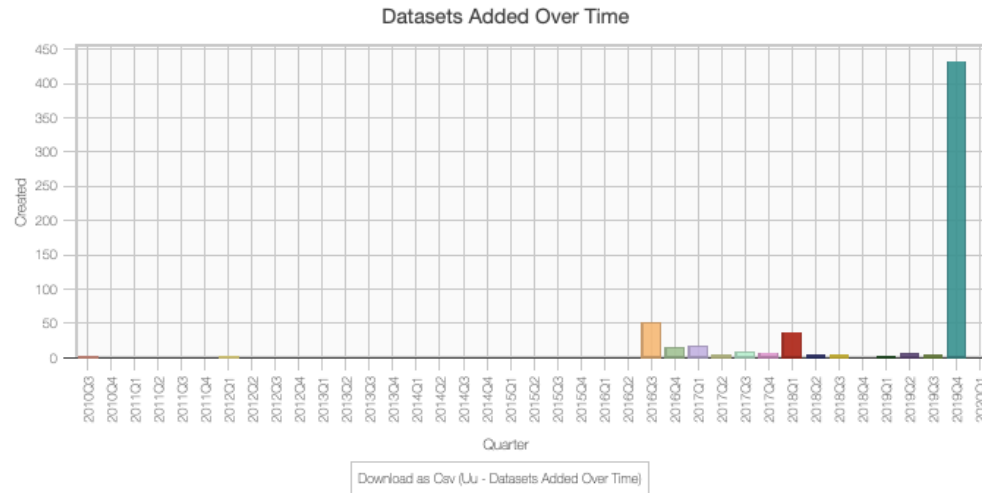


Download as Csv (Foot - Total Dataverses)

## Dataverses by Category



# Metrics from Utrecht University



# Content of my Presentation (4)

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

# 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

The screenshot shows the DataverseNL interface for a draft dataset. The top navigation bar includes the DataverseNL logo, a search icon, and links for About, User Guide, Support, and Dashboard. The user profile 'Marion Wittenberg' is shown with a notification badge of 13. The breadcrumb trail is 'DataverseNL > DANS > DANS Labs > Demo standup meeting October 7'. Below this, there are tabs for 'Metrics' (0 Downloads) and a row of action buttons: 'Contact', 'Share', 'Publish' (circled in red), 'Link', and 'Edit'. The dataset title is 'Demo standup meeting October 7' with a 'Draft' badge. The description area shows the author 'Wittenberg, Marion, 2018', the title 'Demo standup meeting October 7', and the URL 'https://hdl.handle.net/10695/ET60MJ'. A 'Cite Dataset' button and a link to 'Learn about Data Citation Standards' are also present. The metadata section includes 'Description: This is a demo dataset', 'Subject: Social Sciences', and 'Keyword: test'. Below the metadata are tabs for 'Files', 'Metadata', 'Terms', and 'Versions'. A search bar is provided with the text 'Search this dataset...' and a 'Find' button. The 'Files' section shows '3 Files' and an 'Upload Files' button. The file list includes: 'dataset.xlsx' (MS Excel, 8.3 KB, Oct 8, 2018), 'Dit is een dataset.docx' (MS Word, 11.2 KB, Oct 8, 2018), and 'Presentation.pptx' (application/vnd.openxmlformats-officedocument.presentationml.presentation, 33.3 KB, Oct 8, 2018). Each file has a 'Download' button. The 'Edit Files' and 'Download' buttons for the entire list are also visible.

# Published Dataset > Archive Button

The screenshot shows a dataset page on DataVerseNL. The breadcrumb trail is "DataVerseNL > DANS > DANS Labs > Demo standup meeting October 7". The page has a navigation bar with "Metrics" (0 Downloads) and action buttons: "Contact", "Share", "Archive" (circled in red), "Link", and "Edit". The dataset title is "Demo standup meeting October 7" (Version 2.0). The citation information is "Wittenberg, Marion, 2018, 'Demo standup meeting October 7', https://hdl.handle.net/10695/ET60MJ, DataVerseNL, V2". The description is "This is a demo dataset", the subject is "Social Sciences", and the keyword is "test". There are tabs for "Files", "Metadata", "Terms", and "Versions". A search bar is present with the text "Search this dataset..." and a "Find" button. Below the search bar, it says "3 Files" and there is an "Upload Files" button. The file list contains three items:

File Name	Format	Size	Date	Downloads	MD5	Action
dataset.xlsx	MS Excel (XLSX)	8.3 KB	Oct 8, 2018	0	49ea5401cd3934b3495294c28d89a86d	Download
Dit is een dataset.docx	MS Word (docx)	11.2 KB	Oct 8, 2018	0	8cb69690296b6211d225f7675cfcba35	Download
Presentation.pptx	application/vnd.openxmlformats-officedocument.presentationml.presentation	33.3 KB	Oct 8, 2018	0	2ab6ec637c30d2e42a1be9608d497008	Download

# Login Screen (only available for Local Admins)

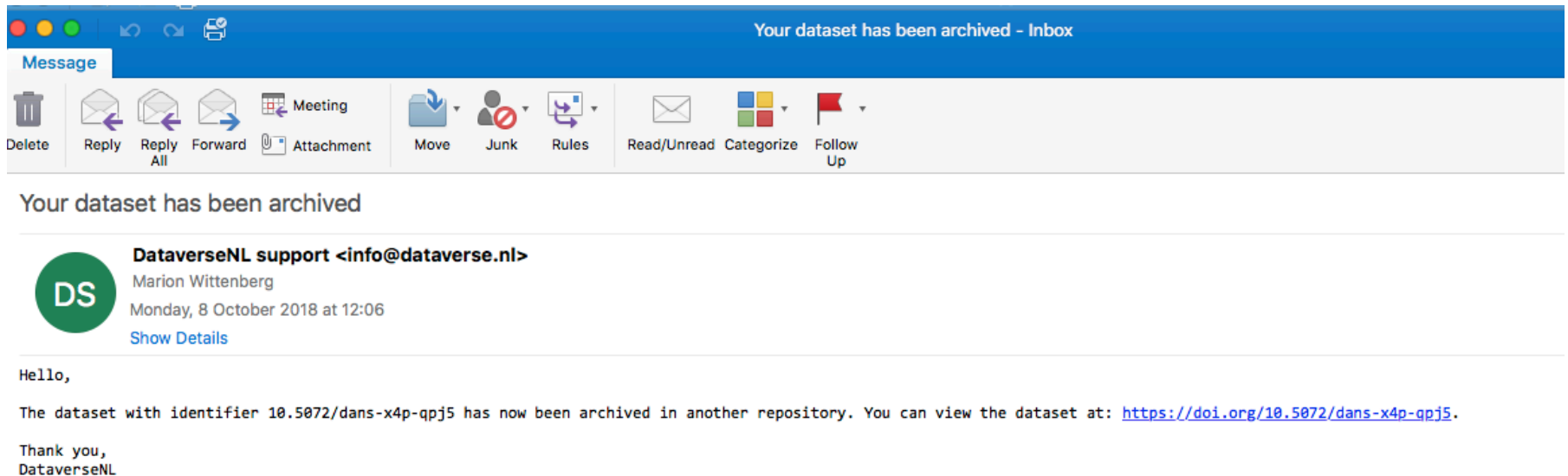
The screenshot displays the DataVerseNL web interface. At the top, the navigation bar includes the logo, search, and user profile (Marion Wittenberg). The breadcrumb trail shows the path: DataverseNL > DANS > DANS Labs > Demo standup meeting October 7. The main content area features a dataset card for "Demo standup meeting October 7" (Version 2.0) with a citation: "Wittenberg, Marion, 2018, 'Demo standup meeting October 7', https://hdl.handle.net/10695/ET60MJ, DataverseNL, V2". A modal dialog titled "Archiving dataset 'hdl:10695/ET60MJ'" is open, prompting for login credentials for the "EASY" repository. The fields for "Username" (DataverseTest) and "Password" (masked) are visible. The "Archive" button is circled in red. The background shows the dataset's description, metadata, and a list of files including "dataset.xlsx" and "Dit is een dataset.docx".



# Archive in Progress

The screenshot shows a web interface for a dataset. At the top, the DataVerseNL logo is on the left, and navigation links (About, User Guide, Support, Dashboard) and a user profile (Marion Wittenberg) are on the right. Below the navigation, a breadcrumb trail reads: [DataverseNL](#) > [DANS](#) > [DANS Labs](#) > [Demo standup meeting October 7](#). A prominent blue notification banner with an information icon states: "Archiving is now in progress. - You can navigate away from this page. To check the progress later, please go to the version-tab. You will receive an e-mail if the archiving process has been completed successfully." Below this, a row of buttons includes "Metrics", "6 Downloads", "Contact", "Share", "Archiving in progress" (circled in red), "Link", and "Edit". The dataset title is "Demo standup meeting October 7" with a "Version 2.0" tag. The citation information is: "Wittenberg, Marion, 2018, 'Demo standup meeting October 7', <https://hdl.handle.net/10695/ET60MJ>, DataverseNL, V2". A "Cite Dataset" button and a link to "Learn about Data Citation Standards" are also present. The metadata section includes: Description: "This is a demo dataset"; Subject: "Social Sciences"; Keyword: "test". Below the metadata are tabs for "Files", "Metadata", "Terms", and "Versions". A search bar contains the text "Search this dataset..." and a "Find" button. The "Files" section shows "3 Files" and includes an "Upload Files" button. The file list contains three items: "dataset.xlsx" (MS Excel, 8.3 KB, Oct 8, 2018, 2 Downloads), "Dit is een dataset.docx" (MS Word, 11.2 KB, Oct 8, 2018, 2 Downloads), and an unlabeled file. Each file has a "Download" button.


# Email with Notification



The screenshot shows an email client window with a blue header bar. The header bar contains the text "Your dataset has been archived - Inbox" and a "Message" tab. Below the header bar is a toolbar with various icons for email actions: Delete, Reply, Reply All, Forward, Meeting, Attachment, Move, Junk, Rules, Read/Unread, Categorize, and Follow Up. The main content area of the email client displays the following text:

Your dataset has been archived

---

 **DataverseNL support <info@dataverse.nl>**  
Marion Wittenberg  
Monday, 8 October 2018 at 12:06  
[Show Details](#)


---

Hello,


The dataset with identifier 10.5072/dans-x4p-qpj5 has now been archived in another repository. You can view the dataset at: <https://doi.org/10.5072/dans-x4p-qpj5>.

Thank you,  
DataverseNL

# EASY DOI in Version Overview

 [DataverseNL](#) > [DANS](#) > [DANS Labs](#) > **Demo standup meeting October 7**

**Metrics** 6 Downloads [Contact](#) [Share](#) [Link](#) [Edit](#)

 **Demo standup meeting October 7** Version 2.0

Wittenberg, Marion, 2018, "Demo standup meeting October 7", <https://hdl.handle.net/10695/ET60MJ>, DataverseNL, V2 [Cite Dataset](#)

[Learn about Data Citation Standards.](#)

**Description** This is a demo dataset

**Subject** Social Sciences

**Keyword** test

[Files](#) [Metadata](#) [Terms](#) [Versions](#)

Dataset	Summary	Contributors	Published	Archived
2.0	<b>Files (Added: 1);</b> <a href="#">View Details</a>	Marion Wittenberg	October 8, 2018	<a href="#">10.5072/dans-x4p-qpj5</a> October 8, 2018
1.0	This is the first published version.	Marion Wittenberg	October 8, 2018	

# Dataset in EASY

DEMO STANDUP MEETING OCTOBER 7

[« Back to list](#)

[Overview](#) [Description](#) [Data files \(5\)](#)

Persistent identifier	DOI: <a href="https://doi.org/10.5072/dans-x4p-qpj5">10.5072/dans-x4p-qpj5</a> URN: <a href="https://nbn-resolving.org/urn:nbn:nl:ui:13-z1-a8t8">urn:nbn:nl:ui:13-z1-a8t8</a>
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: <a href="#">easy-dataset:10148</a>
Relation	is version of <ul style="list-style-type: none"><li><a href="#">hdl:10695/ET60MJ</a></li></ul>
Type (DCMI resource type)	Dataset
Format (Internet Media Type)	
Access rights	Open access - Unrestricted access
License	<a href="https://creativecommons.org/about/cc0">https://creativecommons.org/about/cc0</a>
Date available	2018-10-08

[Download as xml](#) [Download as csv](#)

# Files in EASY

DEMO STANDUP MEETING OCTOBER 7

[« Back to list](#)

[Overview](#)

[Description](#)

[Data files \(5\)](#)

[Download](#)

[View details](#)



[Dataset Contents](#)

Dataset Contents

<input type="checkbox"/>	Name ^	Size ↕	Accessible ↕
<input type="checkbox"/>	Dit is een dataset.docx	11522	Yes
<input type="checkbox"/>	Presentation.pptx	34130	Yes
<input type="checkbox"/>	dataset.xlsx	8498	Yes
<input type="checkbox"/>	hdl-10695-ET60MJ.json	3327	Yes
<input type="checkbox"/>	hdl-10695-ET60MJ.xml	2219	Yes

# Archive Button is Gone

The screenshot shows a web interface for a dataset on DataVerseNL. At the top, there is a navigation bar with the DataVerseNL logo, a search icon, and links for 'About', 'User Guide', 'Support', and 'Dashboard'. A user profile for 'Marion Wittenberg' with 14 notifications is also visible. Below the navigation, the breadcrumb path is 'DataVerseNL > DANS > DANS Labs > Demo standup meeting October 7'. A 'Metrics' tab shows '6 Downloads'. Action buttons for 'Contact', 'Share', 'Link', and 'Edit' are present. The dataset title is 'Demo standup meeting October 7' with a 'Version 2.0' badge. The citation information is 'Wittenberg, Marion, 2018, "Demo standup meeting October 7", https://hdl.handle.net/10695/ET60MJ, DataVerseNL, V2'. A 'Cite Dataset' button and a link to 'Learn about Data Citation Standards' are provided. The 'Description' section contains a table with the following information:

<b>Description</b>	This is a demo dataset
<b>Subject</b>	Social Sciences
<b>Keyword</b>	test

Below the description are tabs for 'Files', 'Metadata', 'Terms', and 'Versions'. A search bar for the dataset is included. The 'Files' section shows '3 Files' and an 'Upload Files' button. A table lists the files with checkboxes, file icons, names, formats, sizes, dates, download counts, and MD5 hashes. Each file has a 'Download' button.

File Name	Format	Size	Date	Downloads	MD5
dataset.xlsx	MS Excel (XLSX)	8.3 KB	Oct 8, 2018	2	49ea5401cd3934b3495294c28d89a86d
Dit is een dataset.docx	MS Word (docx)	11.2 KB	Oct 8, 2018	2	8c69690298b6211d225f7675cfcba35
Presentation.pptx	application/vnd.openxmlformats-officedocument.presentationml.presentation	33.3 KB	Oct 8, 2018	2	2ab6ec637c30d2e42a1be9608d497008

# Content of my Presentation (5)

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





# DataTags (based on legislation)

Files Metadata Terms Versions

Search this dataset... Find

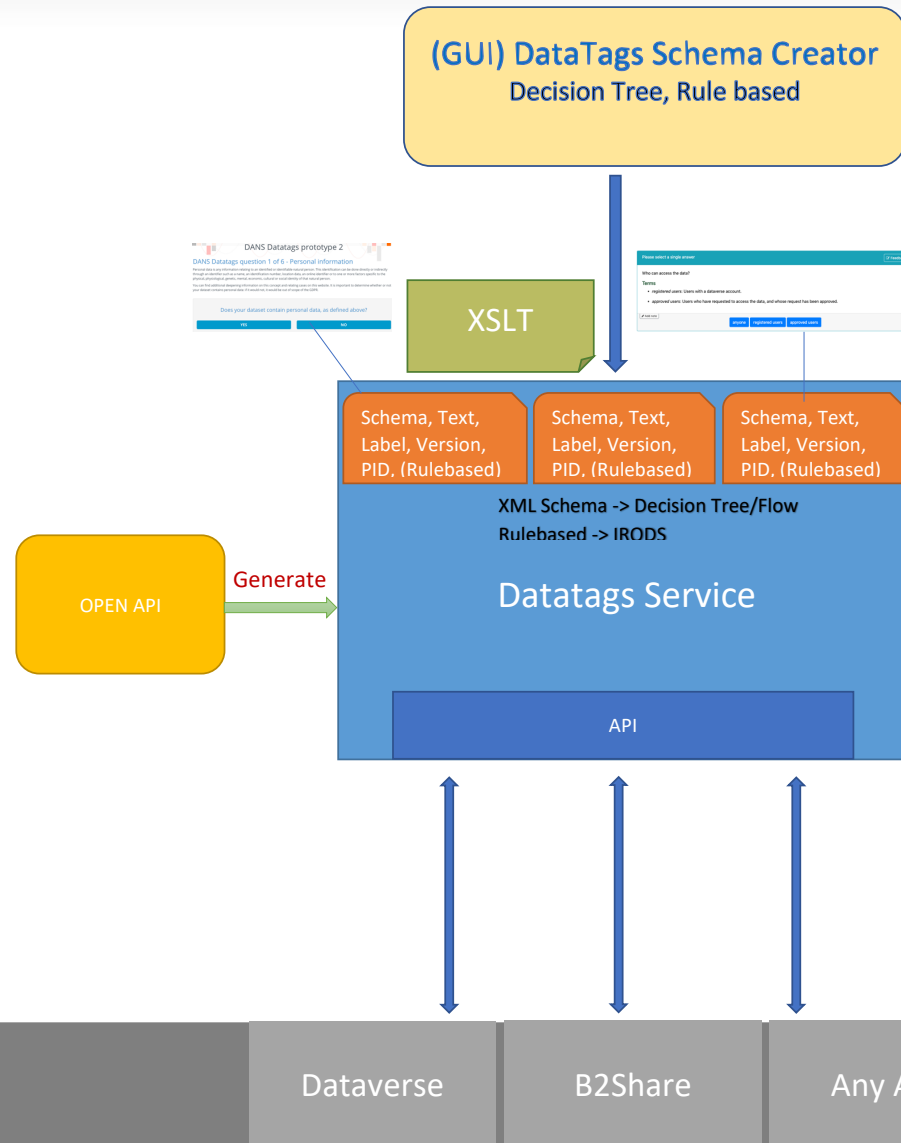
+ Upload Files Edit Files Download

14 Files

<input type="checkbox"/>	 <b>algorithm-trace.html</b> text/html - 4.5 KB - Feb 7, 2016 - 0 Downloads MD5: 61c867f8f541b4b72034033654f94e4a; Viewable trace of the slot unfolding algorithm.	Green	<input type="button" value="Download"/>
<input type="checkbox"/>	 <b>algorithm-trace.md</b> text/markdown - 1.4 KB - Feb 7, 2016 - 0 Downloads MD5: 23200ec0863f51c3ab8b6a497c4ca386; Trace of the slot unfolding algorithm (editable markdown form).	Orange	<input type="button" value="Download"/>
<input type="checkbox"/>	 <b>BlueToCrimson-ts.pdf</b> Adobe PDF - 16.6 KB - Feb 8, 2016 - 0 Downloads MD5: d58367787995cd2f3268f6c537f3dd7e; Visualization of the tagspace for the datatags set defined in <a href="http://techscience.org/a/2015101601/">http://techscience.org/a/2015101601/</a>	Blue	<input type="button" value="Download"/>
<input type="checkbox"/>	 <b>BlueToCrimson.dg</b> Unknown - 1.7 KB - Feb 8, 2016 - 0 Downloads MD5: d32d25bfcf80c4c7debc2023a5cc9345;	Blue	<input type="button" value="Download"/>



# Idea to Discuss with Harvard Team



Questions?

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Twitter: @DANSKNAW

dans.knaw.nl

