

Providing access to research data, publications and current research information at DANS

Elly Dijk and Peter Doorn

Conference on Grey Literature and Repositories 2014
National Library of Technology
22 October 2014
Prague, Czech Republic

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What is DANS?

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

Mission: promote
and provide
permanent access
to digital research
information

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







Data Archiving in the Humanities and Social Sciences

Data collection and data processing

- awareness of the value of preserving data for re-use:
- for validating the results of earlier research
 - for comparative analysis
 - for secondary analysis: answering new research questions with existing data

Emergence of data archives:

social science data archives	text archives for linguistics and literary studies	historical data archives	archaeology data archives	University repositories General data sharing facilities
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ICPSR, ZA, UKDA
Steinmetz

Oxford Text
Archive

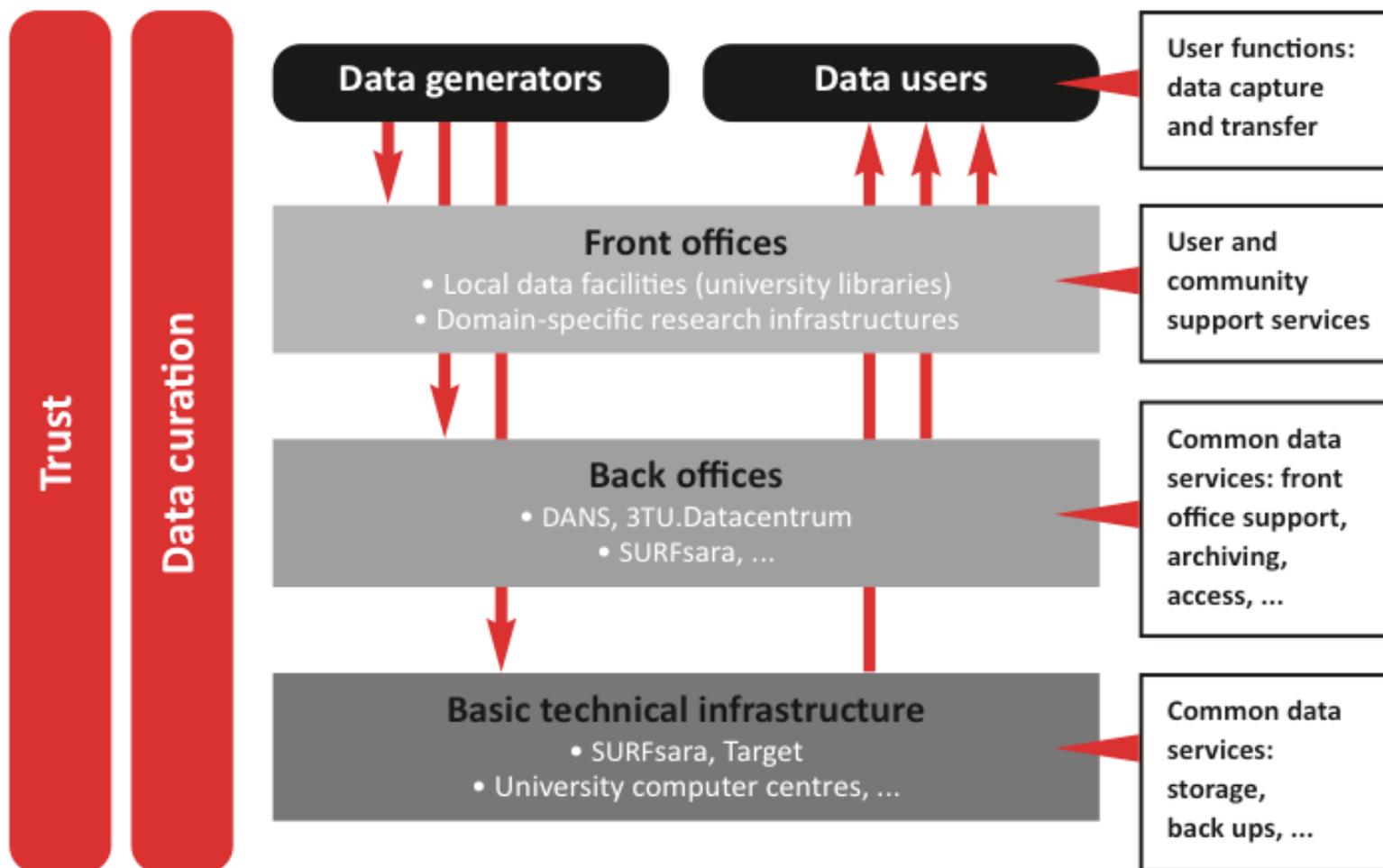
NHDA, HDS,
IPUMS

ADS, EDNA

Dataverse, Zenodo,
Figshare, B2Suite



The federated data infrastructure: a collaborative framework



Our services

DANS

Home Browse Advanced search

P.K. Doorn | My requests

Search

My datasets

New deposit

New deposit

Select the discipline of your dataset below. Please read the instructions first, then start the deposit procedure.

Archaeology

Instructions

Start deposit

Life science and medicine

Instructions

Start deposit

History

Instructions

Start deposit

Language and literature

Instructions

Start deposit

Social and behavioural sciences

Instructions

Start deposit

All other disciplines

Instructions

Start deposit

EASY: Electronic Archiving System for self-deposit

DANS

NARCIS

HOME ABOUT NARCIS LOGIN NEDERLANDS

The gateway to scholarly information in the Netherlands

Submit Content to NARCIS

Search...

SEARCH

881,421
PUBLICATIONS

30,094
DATA SETS

60,157
RESEARCH

51,077
PEOPLE

2,912
ORGANISATIONS

1,733
ENHANCED PUBLICATIONS

DANS

NARCIS: Gateway to scholarly information in the Netherlands

Data Seal of Approval
www.datasealofapproval.org

The Data Seal of Approval Guidelines

1. The data producer deposits the research data in a data repository with sufficient information for others to assess the scientific and scholarly quality of the research data.
2. The data producer provides the research data in formats recommended by the data repository
3. The data repository has an explicit mission in the area of digital archiving and promulgates it
4. The data repository uses due diligence to ensure compliance with legal regulations and contracts including, when applicable, regulations governing the protection of human subjects.
5. The data repository applies documented processes and procedures for managing data storage
6. Archiving takes place according to explicit workflows across the data life cycle
7. The data repository enables the users to utilize the research data and refer to them
8. The data repository ensures the integrity of the digital objects and the metadata
9. The technical infrastructure explicitly supports the tasks and functions described in internationally accepted archival standards like OAIS
10. The data consumer complies with access regulations set by the data repository
11. The data consumer conforms to and agrees with any codes of conduct that are generally accepted in higher education and research for the exchange and proper use of knowledge and information
12. The data consumer respects the applicable licenses of the data repository regarding the use of the research data

Data Seal of Approval: Towards sustainable and trusted data repositories

Dutch Dataverse Network

POWERED BY THE **Dataverse Network** v. 3

Log In Log in with DVN account

ATTENTION!
First Time login: Close Browser and restart.
Press username for Dataverse Creation options

Search Studies Go Advanced Search Tips

Released Datasets

Datasets: 56 | Studies: 210 | Files: 658

Name	Affiliation	Released	Activity
Economics of Education	Maastricht University	Feb 19, 2014	
Neuropsychology & Psychopharmacology	Maastricht University	Feb 17, 2014	
Work & Social Psychology	Maastricht University	Feb 17, 2014	
Clinical Psychological Science	Maastricht University	Feb 14, 2014	

Dutch Dataverse Network: storing data during the research



EASY Electronic Archiving System

- Behavioural sciences (926)
- Geospatial sciences (36)
- Humanities (27968)
- Life sciences and medicine (258)
- Social sciences (2500)
- Socio-cultural sciences (3577)

28.130 datasets in archive

Metadata in 6 varieties



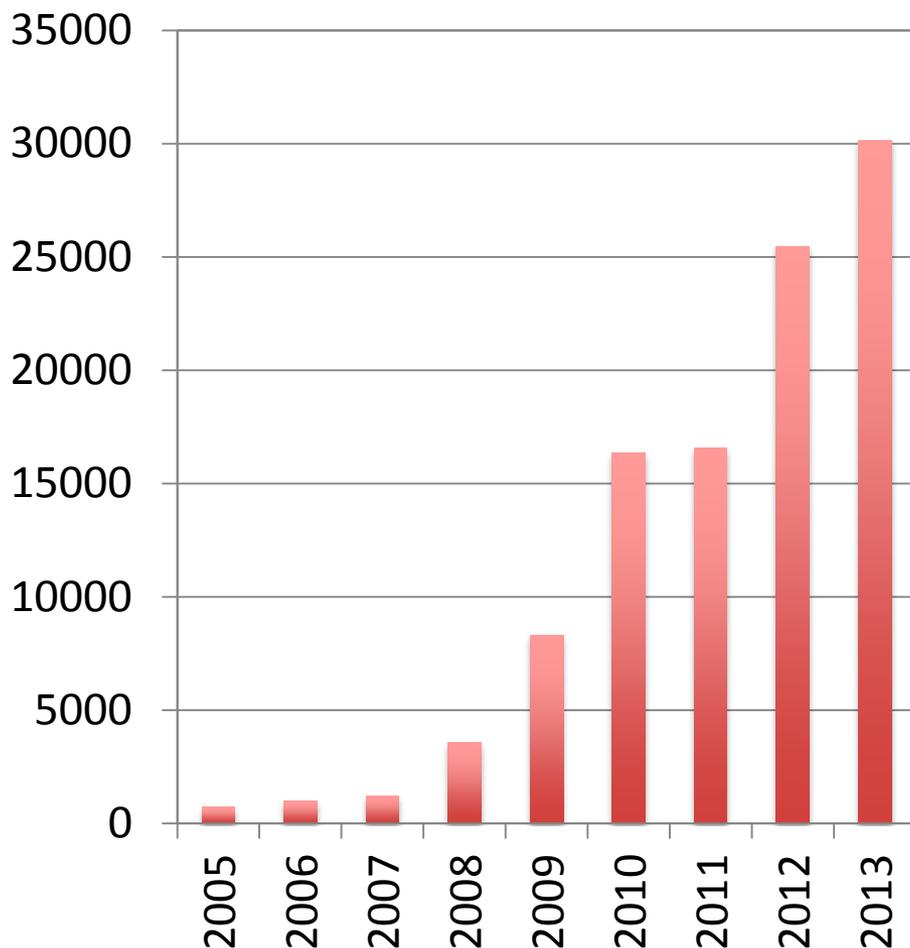
<http://easy.dans.knaw.nl>



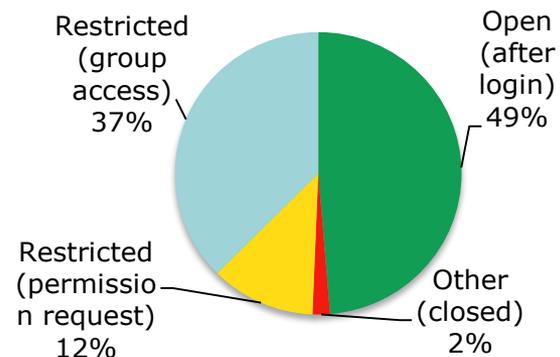
Driven by data



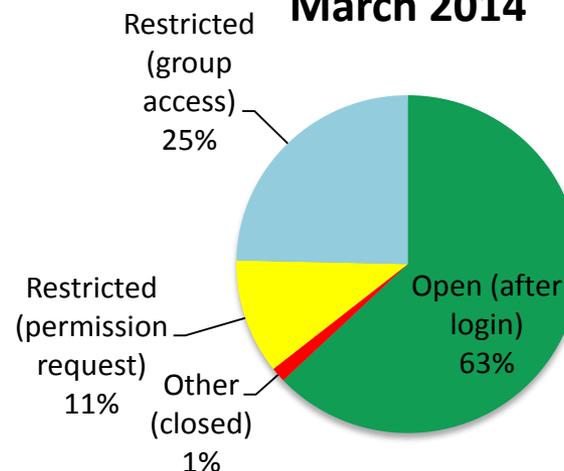
Reuse of datasets at DANS 2005-2013



2012



March 2014

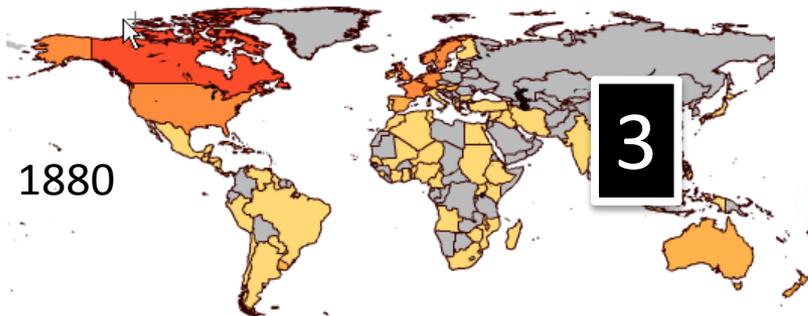




Five re-use cases of data in the humanities

**Collaborative work:
bringing together data
from many scholars**

1. Historical shipping
2. Digitized censuses
3. Global inequality
4. Holocaust studies
5. Dendrochronology



Average years of education per capita



“Grey literature” in DANS archives

- Archaeological reports: excavation results
- Publications belonging to research datasets
- Data documentation
- Search term
 - “rapport” or “report” give 12,530 + 102 results
 - “documentatie/-ion” gives 170 + 139 results
 - “publicatie/ion” gives 497 + 60 results

Linking full-text grey literature to underlying research and post-**publication** data: An Enhanced

Farace, Dr. D., Stock, C. (INIST-CNRS), Frantzen, J., Sesink, L. (DANS - Data Archiving and Network... (2012)

100% relevant

Description: generation of knowledge. The enhanced **publication** of grey literature precludes the idea of a random...

Relation: title=Linking full-text grey literature to underlying research and post-**publication** data URI

Audience: Humanities, Palaeography, bibliology, bibliography, library science

Access: Open

Submitted: 2013-02-14

New service since May 1st 2014: Dutch Dataverse



POWERED BY THE **Dataverse Network** PROJECT v. 3.3

Dutch Dataverse Network

Log In Log in with DVN account

ATTENTION!
 First Time login: Close Browser and restart.
 Press username for Dataverse Creation options

Search Studies [Advanced Search Tips](#)

[Show Released Dataverses](#)

- 3TU datacenterum
- Delft University Dataverses
- Eindhoven University Dataverses
- University of Twente Dataverses
- EUR
- EUR University Dataverses
- University of Groningen
- University of Groningen Dataverses
- Maastricht University
- Maastricht University Dataverses
- NIOO

Released Dataverses

ALL # A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Dataverses: 58 | Studies: 210 | Files: 658

Name	Affiliation	Released	Activity
Economics of Education	Maastricht University	Feb 19, 2014	■■■■■
Neuropsychology & Psychopharmacology	Maastricht University	Feb 17, 2014	■■■■■
Work & Social Psychology	Maastricht University	Feb 17, 2014	■ ■■■■
Clinical Psychological Science	Maastricht University	Feb 17, 2014	■■■■■
Dataverse test JB View Info [+]	Faculty Bureau	Feb 14, 2014	■■■■■
PhD: Quality of PGME and Quality of Healthcare	Maastricht University	Jan 31, 2014	■ ■■■■



Linking data to publications and other research information

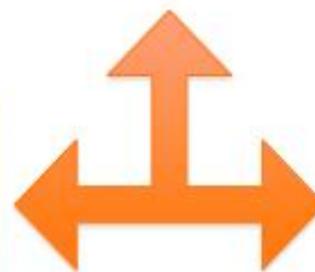
Not just (open) access to publications and data, but connect them to Research Information



Research information: researchers, institutes, projects



Research data



Connecting community & content



Electronic publications



The gateway to scholarly information in the Netherlands

[› Submit Content to NARCIS](#)

902,746
PUBLICATIONS

30,901
DATA SETS

60,541
RESEARCH

51,384
PEOPLE

2,919
ORGANISATIONS

1,732 beta release
ENHANCED PUBLICATIONS

SCIENTIFIC NEWS FROM OTHER SOURCES (DUTCH)

[› Duitse glorie voor IISG-directeur](#)

30-07-2014 | ScienceGuide

[› Drone in plaats van postbode](#)

30-07-2014 | ScienceGuide

[› Senioren hebben meer last van afleiding](#)

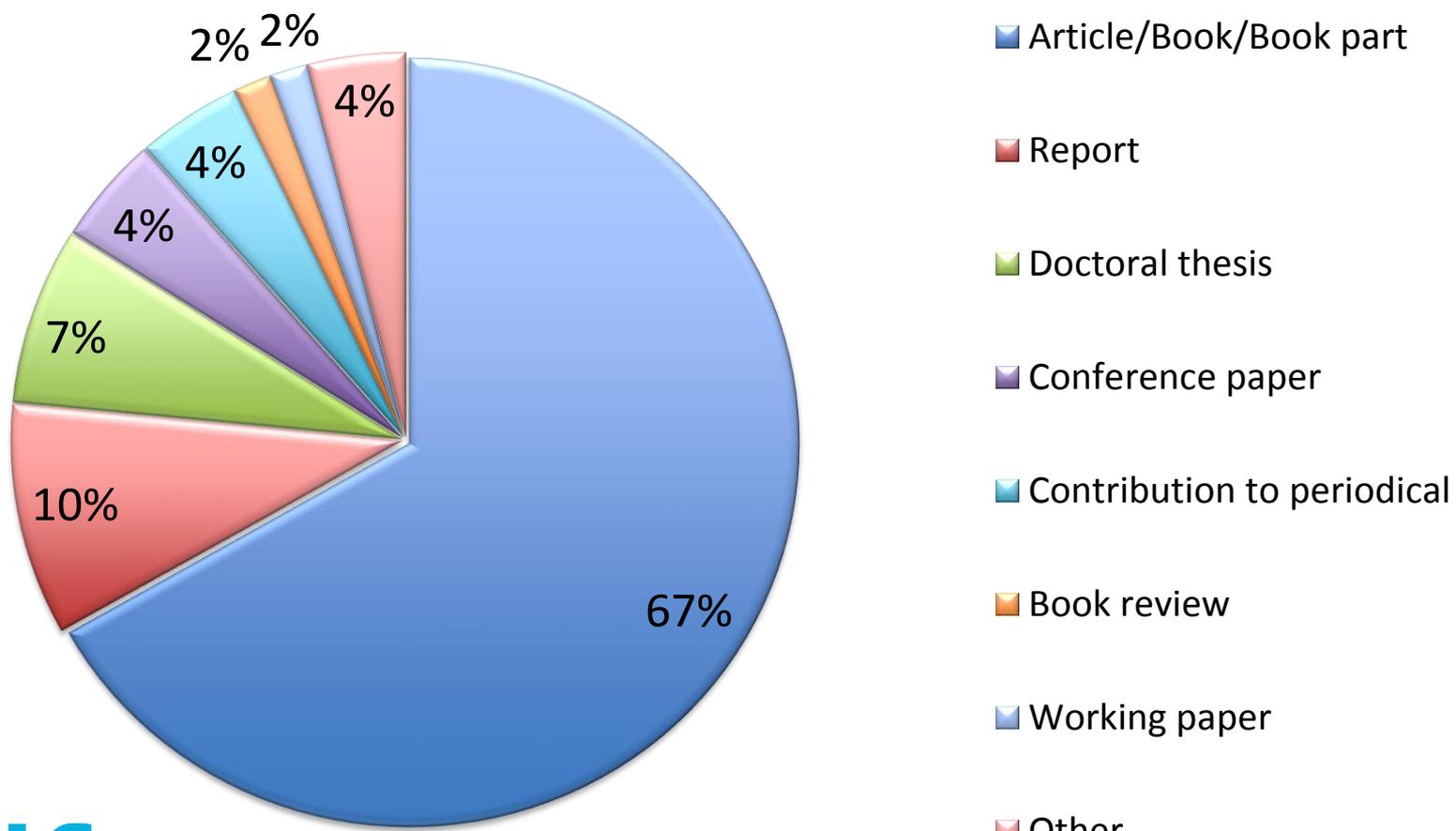
30-07-2014 | Nu.nl Wetenschap

[› More scientific news](#)



Grey literature in NARCIS: 33%

Contents of NARCIS





Gallery EP Features 3

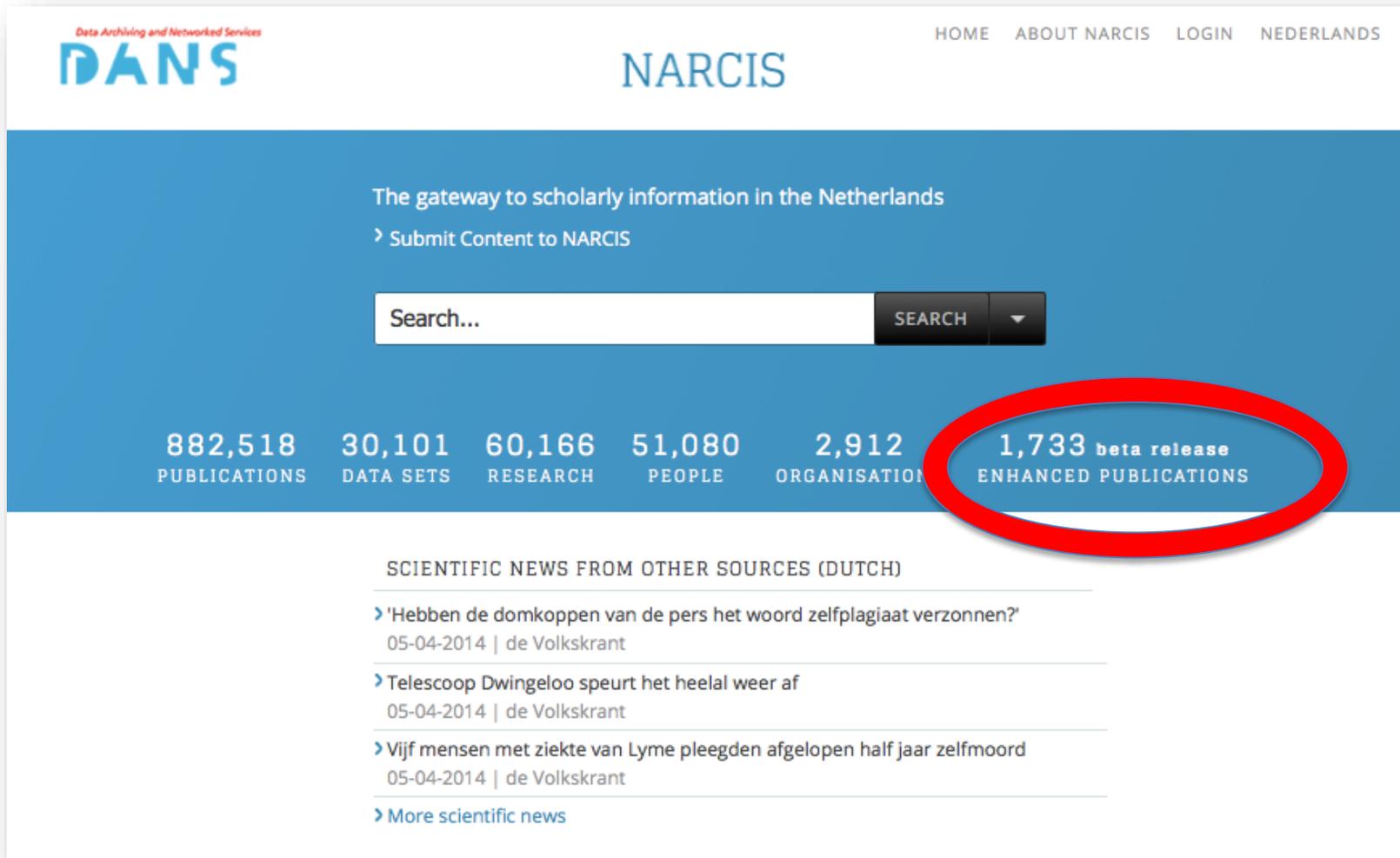
Leen Breure: typology of 80 types of Enhanced Publications - <http://xposre.nl/>

Page: 1 | 2 | 3



Driven by data

Enhanced publications / data in context



The screenshot shows the NARCIS website interface. At the top left is the DANS logo with the tagline "Data Archiving and Networked Services". To the right is the NARCIS logo. Further right are navigation links: HOME, ABOUT NARCIS, LOGIN, and NEDERLANDS. Below the navigation is a blue banner with the text "The gateway to scholarly information in the Netherlands" and a link "Submit Content to NARCIS". A search bar with the placeholder "Search..." and a "SEARCH" button is positioned below the banner. Below the search bar is a row of statistics: 882,518 PUBLICATIONS, 30,101 DATA SETS, 60,166 RESEARCH, 51,080 PEOPLE, 2,912 ORGANISATIONS, and 1,733 beta release ENHANCED PUBLICATIONS. The last statistic is circled in red. Below the statistics is a section titled "SCIENTIFIC NEWS FROM OTHER SOURCES (DUTCH)" with a list of news items and a link for "More scientific news".

Data Archiving and Networked Services

DANS

NARCIS

HOME ABOUT NARCIS LOGIN NEDERLANDS

The gateway to scholarly information in the Netherlands

› Submit Content to NARCIS

Search... SEARCH

882,518 PUBLICATIONS 30,101 DATA SETS 60,166 RESEARCH 51,080 PEOPLE 2,912 ORGANISATIONS 1,733 beta release ENHANCED PUBLICATIONS

SCIENTIFIC NEWS FROM OTHER SOURCES (DUTCH)

- › 'Hebben de domkoppen van de pers het woord zelfplagiaat verzonnen?'
05-04-2014 | de Volkskrant
- › Telescoop Dwingeloo speurt het heelal weer af
05-04-2014 | de Volkskrant
- › Vijf mensen met ziekte van Lyme pleegden afgelopen half jaar zelfmoord
05-04-2014 | de Volkskrant

› More scientific news



ENHANCED PUBLICATION
LOON OP ZAND N261/BEVRIJDINGSWEG DEELGEBIED D-ZUID
(2011)

Main Save publication

Loon op Zand N261/Bevrijdingsweg deelgebied D-Zuid

Collection

- Collection Foto's 1
- Collection Foto's 4
- Collection Verftekeningen en Kaarten
- Collection Foto's 2
- Collection Metadata
- Collection Foto's 3
- Collection Tabellen

Document

Report
Inventariserend veldonderzoek door middel van proefskuiven | Loon op Zand N261 / Aansluiting Loon op Zand | BAAC rapport A-10.0397

Aggregation

Loon op Zand N261/Bevrijdingsweg deelgebied D-Zuid
Date Created: 2011-12-21T07:32:50.624Z
Date Modified: 2011-12-21T07:39:01.549Z
Made by: Michael Schuuring
Rights Holder: BAAC bv | Provincie Noord-Brabant
Persistent Identifier: urn:nbn:nl:ui:13-3tpm-a6

Person

- Person F. van Neunen
- Person R. van der Mark

Organization

- Organization BAAC bv
- Organization Provincie Noord-Brabant

Topic

- Topic Archeologisch: proefskuiven
- Topic Nieuwe tijd: 1500 - heden
- Topic Coördinaten RD (in m.) X: 132403 Y: 403824
- Topic Noord-Brabant | Kaartblad: 4H | Loon op Zand | N261 Aansluiting Loon op Zand
- Topic Economie - Akker/tuin

Research Data

Report

Researchers

Aggregation: the enhanced publication

Organizations involved:
Funder and research institute

Topics linking to related information

Collection

 Collection
Foto's 1

 Collection
Foto's 4

 Collection
Veldtekeningen en
Kaarten

 Collection
Foto's 2

 Collection
Metadata

 Collection
Foto's 3

 Collection
Tabellen

Research Data

Document

 Report
Inventariserend veldonderzoek
door middel van proefsleuven |
Loon op Zand N261 /
Aansluiting Loon op Zand |
BAAC rapport A-10.0397

Publication

Enhanced publication



Aggregation

Loon op Zand N261/Bevrijdingsweg
deelgebied D-Zuid

Date Created

2011-12-21T07:32:50.624Z

Date Modified

2011-12-21T07:39:01.549Z

Made by

Michael Schuuring

Person

 Person
F. van Neunen

 Person
R. van der Mark

Researchers

Rights Holder
BAAC bv | Provincie Noord-Brabant

Persistent Identifier
urn:nbn:nl:ui:13-3tpm-a6 [↗](#)

Persistent Identifier

Research organization

Organization



Organization

BAAC bv



Organization

Provincie Noord-Brabant

Funder

Topic



Topic

Archeologisch: proefsleuven



Topic

Nieuwe tijd: 1500 - heden



Topic

Coördinaten RD (in m.) X:
132403 Y: 403824



Topic

Noord-Brabant | Kaartblad: 44H |
Loon op Zand | N261 Aansluiting
Loon op Zand



Topic

Economie - Akker/tuin

Related subjects



Certification Standards: Data Seal of Approval (DSA)

- DANS initiative
- International Board
- 16 guidelines
- Self assessment
- Transparency
- 36 seals awarded

Data producers are responsible for the quality of research data, repositories for storage and long-term access, and users for correct use of data



- Findable
- Accessible
- Usable
- Reliable
- Citable





DANS in (inter)national context



Radboud Universiteit Nijmegen



TU Delft



MAX-PLANCK-GESellschaft

UNIVERSITEIT TWENTE.



rijksuniversiteit groningen



NWO

Netherlands Organisation for Scientific Research



Data Archiving and Networked Services

DANS

rdnl

research data netherlands



TU/e

technische universiteit eindhoven



Research Data Sharing without barriers

4C



UNESCO-IHE Institute for Water Education TU Delft



3TU Datacentrum

HBO Kennisbank



ALLIANCE FOR PERMANENT ACCESS



DASISH



DriCLARIN





THE FUTURE?

Data Archiving and Networked Services

Thank you for your attention!

www.dans.knaw.nl

www.narcis.nl

elly.dijk@dans.knaw.nl

peter.doorn@dans.knaw.nl



The work DANS does
summarized in a 4 minute
video, introduced by
Neelie Kroes

<http://youtu.be/HJbo-OAaJ1I>