Open Access publications and Open Data in the Netherlands

Elly Dijk
Policy advisor DANS/NARCIS
National Open Access Desk

Open Access Event DANS
Data Archiving and Networked Services
25 October 2016
“Open in action” in the Netherlands

“taking concrete steps to open up research and scholarship and encouraging others to do the same”.

We take concrete steps in Netherlands on a national / academic policy level. And there are also concrete steps on a European level, that influence the Dutch open access/open data.

Can we see this back in the numbers of open access publications and open data in the Netherlands?

How: by taking a closer look to NARCIS, one of the services of DANS.
Outline

Open access publications
- OA policies
- OA numbers in NARCIS

Open Data
- Open data policies
- Open data numbers

More steps?
Open Access: golden, green and hybrid road

**Golden road**
- Publication in open access journals, like PLoS
- The publication costs, known as ‘article processing costs’ (APCs), are paid by the author or his or her institution
- A list of open access journals that are accessible worldwide can be found on the DOAJ website: [https://doaj.org/](https://doaj.org/) (over 9,100 journals)

**Green road**
- Self-archiving of the full text of academic publications in a repository, a publicly accessible database. NARCIS harvest the repositories in the Netherlands.

**Hybrid road**
- A hybrid journal is part toll access and part open access: authors pay to have their individual article published OA
• Financing European research and innovation projects
• Successor of the FP7 programme (KP7)
• Period 2014 - 2020; the budget is € 80 billion
• National Contact Points for the H2020 programme:
  Netherlands Enterprise Agency
• Promotes open sciences by mandates
OpenAIRE2020

- **Open Access Infrastructure for Research in Europe:** Promotes Open Science
- Funded by **Horizon2020** to develop and maintain the infrastructure to support OA policy of the EU
- Support H2020 OA mandates
  - 100% OA on scientific publications
  - Open Research Data Pilot
- Implement **EC FP7** post-grant Open Access Pilot
- In every country a **National Open Access Desk**
Dutch State Secretary for Science Sander Dekker pleads for Open Access of Scientific Articles – December 2013

1. **Open access is a moral obligation and crucial for society**

2. **Open access is inevitable**

3. **Preference for golden road**

- 60% Open Access within 5 years (2019) and 100% within 10 years (2024)
Actions of VSNU

- **Negotiations with publishers.** It has been agreed that no new contracts will be entered into without agreements about open access. The VSNU and UKB (the partnership of university libraries and the National Library of the Netherlands) conduct negotiations in close cooperation, supported by SURFmarket.

- [http://www.openaccess.nl/en/what-is-open-access/open-access-publishers](http://www.openaccess.nl/en/what-is-open-access/open-access-publishers)

- **Measure the progress:** by collecting OA numbers at the universities

- **Raising awareness** – See: VSNU open access newsletter
Green OA policies of the universities (May 2016)

• EUR since 2011 and TU/Delft since 2016: all scientific articles should be uploaded in the institutional repository. At the EUR the uploads in the repository are also part of the research evaluation of the researcher

• TU/Eindhoven and University of Twente: green open access policy without an obligation to upload

• In 4 of the remaining nine universities: policy on green open access is in development

• In five other universities, there is no formal policy, and this is also not in development

However, at all universities libraries there is awareness raising for open access publishing in the repositories

Source VSNU
OA Policies national research funder (NWO) and Dutch Academy (KNAW)

**NWO**: From December 2015: ‘all publications emerging from a 'call for proposals’ published by NWO after this date must be immediately accessible to everybody from the moment of publication’.

**KNAW**: All publications by KNAW researchers will be freely available for everyone within 6 months of publication. For the humanities an social sciences, the embargo should not exceed 12 months.
Academic research output 2000 – 2015 (VSNU)

Produced scientific papers (including dissertations)

Source: KUOZ/onderzoeksinzet & output, VSNU (publication date sept 2016)
Publications in NARCIS in 2016

The gateway to scholarly information in the Netherlands

Submit Content to NARCIS

Search...

1,287,276 publications
159,240 data sets
64,211 research
53,368 people
2,950 organisations

Open and closed access scholarly publications in NARCIS per year of publication

This chart shows the actual number of open and closed access publications (articles, doctoral theses, books, reports et cetera) in NARCIS, since 2000.

More statistics
Repositories harvested by NARCIS: 35

<table>
<thead>
<tr>
<th>Source</th>
<th>Repositories</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Groningen</td>
<td>212434</td>
</tr>
<tr>
<td>Wageningen University &amp; Research Centre</td>
<td>202990</td>
</tr>
<tr>
<td>University of Amsterdam</td>
<td>175111</td>
</tr>
<tr>
<td>Eindhoven University of Technology</td>
<td>93190</td>
</tr>
<tr>
<td>Tilburg University</td>
<td>71430</td>
</tr>
<tr>
<td>Utrecht University</td>
<td>52989</td>
</tr>
<tr>
<td>University of Twente</td>
<td>51820</td>
</tr>
<tr>
<td>VU University Amsterdam</td>
<td>39569</td>
</tr>
<tr>
<td>Delft University of Technology</td>
<td>35555</td>
</tr>
<tr>
<td>Maastricht University</td>
<td>31863</td>
</tr>
<tr>
<td>Erasmus University Rotterdam</td>
<td>31360</td>
</tr>
<tr>
<td>TNO</td>
<td>29152</td>
</tr>
<tr>
<td>KNAW</td>
<td>28447</td>
</tr>
<tr>
<td>CWI</td>
<td>18629</td>
</tr>
<tr>
<td>Leiden University</td>
<td>17792</td>
</tr>
<tr>
<td>Naturalis Biodiversity Center</td>
<td>14798</td>
</tr>
<tr>
<td>National Institute for Public Health and the Environment</td>
<td>9627</td>
</tr>
<tr>
<td>Radboud University Nijmegen</td>
<td>9617</td>
</tr>
<tr>
<td>NIVEL - The Netherlands Institute for Health Services Research</td>
<td>8175</td>
</tr>
<tr>
<td>Universities of Applied Sciences</td>
<td>7287</td>
</tr>
<tr>
<td>Nyenrode Business University</td>
<td>4078</td>
</tr>
<tr>
<td>SWOV Institute for Road Safety Research</td>
<td>3925</td>
</tr>
<tr>
<td>Open Universiteit Nederland</td>
<td>3728</td>
</tr>
<tr>
<td>DIFFER</td>
<td>2733</td>
</tr>
<tr>
<td>University for Humanistics</td>
<td>2415</td>
</tr>
<tr>
<td>WODC Ministry of Security and Justice</td>
<td>2255</td>
</tr>
<tr>
<td>Amsterdam University Press</td>
<td>1966</td>
</tr>
<tr>
<td>NIOZ</td>
<td>1788</td>
</tr>
<tr>
<td>The Netherlands Institute for Social Research</td>
<td>1190</td>
</tr>
<tr>
<td>Philips Research</td>
<td>441</td>
</tr>
<tr>
<td>Netherlands Institute for Sound and Vision</td>
<td>438</td>
</tr>
<tr>
<td>UNESCO-IHE, Institute for Water Education</td>
<td>157</td>
</tr>
<tr>
<td>Protestant Theological University</td>
<td>12</td>
</tr>
<tr>
<td>Theological University Kampen</td>
<td>10</td>
</tr>
<tr>
<td>Theological University Apeldoorn</td>
<td>8</td>
</tr>
</tbody>
</table>
Article

Unidirectional Light-Driven Molecular Motors Based on Overhauser Aikenes (2014)

Authors: Cossen, Arjen; Browne, Wesley R.; Feringa, Ben L.; Credi, Alberto; Silvi, Serena; Venturi, Margherita

Conference paper

Ultrafast ignition of a uni-directional molecular motor (2013)

Authors: Conyard, Jamier; Addison, Kirk; Heisler, Ismael A.; Cossen, Arjen; Browne, Wesley R.; Meeth, Stephen R.; Feringa, Bernard; Chergui, Majed; Cundiff, Steve; Taylor, Antoinette; Vivie-Riedle, Regina de; Yamanouchi, Kaoru

In: XVIIIth International Conference on Ultrafast Phenomena, Lausanne, Switzerland

Book part

Asymmetric oxidation of phenols. Atropisomerism and optical activity (1978)

Author: Feringa, Bernard Lucas

Doctoral thesis

1978
Deze sheet alleen gebruiken voor bijvoorbeeld een screenshot van een applicatie. Door het ontbreken van stijlkenmerken kan de screenshot zo groot mogelijk. Voor alle andere informatie altijd een sheet met stijlkenmerken gebruiken!
WEpods project: finding the potential for automated road public transport

Homem De Almeida Rodriguez Correia, G.

TU Delft

2016-12-31

English

Vehicle automation is developing rapidly, nevertheless a lot of work is still lacking, as we are not yet at a point where vehicles are able to drive themselves on a road without a human behind the wheel. One of the possibilities of automation is its use as public transport. In the WEpods project, led by TU Delft, we are looking at the technology but also on the operation and passengers' acceptance of this way of travelling.

http://resolver.tudelft.nl/uuid:5f3f6982-c35b-4edc-bdfd-095f...

urn:NBN:nl:ui:24-uuid:5f3f6982-c35b-4edc-bdfd-095f35200e48

Delft University of Technology
1.2 million publications; 471,000 OA by institute (September 2016)
Scholarly production in the Netherlands 2012

![Chart showing scholarly production in the Netherlands 2012]

- Total scientific output: 70,000
- In NARCIS (universities): 50,000
- OA in NARCIS: 20,000

Data Archiving and Networked Services
Open access articles in NARCIS - 200,000

This chart shows the actual number of open and closed access peer reviewed articles in NARCIS, since 2000.
Percentage OA all publications and articles in NARCiS, year of publication 2000 - 2015

%-OA all publications: 25.8, 31.0, 30.9, 32.9, 33.4, 35.0, 37.6, 36.2, 38.0, 36.6, 36.7, 36.1, 37.7, 37.6
%-OA Articles: 18.7, 20.9, 21.5, 20.9, 22.3, 24.6, 26.4, 26.1, 28.8, 27.8, 28.0, 27.0, 28.1, 29.9
Open Access of “grey literature” in NARCIS, April 2015
Conclusion OA publications

There is not much growth of open access publications in the Netherlands, per year

But: this it what we see via NARCIS!

Researchers can also publish in:
- International discipline open access repositories, like ArXiv
- Open access journals
- Their own website...
Data is hot!

Neelie Kroes (Vice-President of the European Commission responsible for the Digital Agenda, 2010-2014): “Data is the new gold”

Máire Geoghegan-Quinn (European Commissioner for Research and Innovation, 2010-2014):
"We must give taxpayers more bang for their buck. Open access to scientific papers and data will speed up important breakthroughs by our researchers and businesses, boosting knowledge and competitiveness in Europe.”
Increased awareness of need for Data Policies

**EU Vice-President Neelie Kroes**: “Data is the oil for science” (Riding the Wave report, 2010).

**Dutch Universities** are developing data policies.

**Dutch Academy (KNAW)** All Academy research data will be digitally preserved and made available open access, unless the data memorandum stipulates that this is not necessary. This will take place within eighteen months of the conclusion of the research.

**Dutch research funding organisation NWO**: From October 2016 Data Management Plans (DMP’s) and data sharing are becoming requirements for funding.

**Science Europe**: Research Data Working Group recommends members to develop open data policies.

**EU research funding programme Horizon 2020**: DMP and open data access standard in *special research areas*, opt-out possible.
**CHALLENGE**

Wider access to scientific facts and knowledge helps researchers, innovators and the public find and re-use data, and check research results:

- offers better value for EU research funds
- encourages research across scientific fields
- a public benefit
- essential for solving today's complex societal challenges

**SOLUTION**

Horizon 2020 already mandates open access to all scientific publications

From 2017, research data is open by default, with possibilities to opt out
Requirements Open Research Data Pilot

1. Data Management Plan required within six months after project grant

2. DMP regarded as living document

3. Advise:
   ✓ DMPonline of Digital Curation Centre
   ✓ online version in own country (Belgium/Spain)

4. Deposit the data in a trustworthy data repository, as open data, CC-0 or CC-BY
Open access to research data refers to the right to access and re-use digital research data. Openly accessible research data can typically be accessed, mined, exploited, reproduced and disseminated free of charge for the user.

The use of a Data Management Plan (DMP) is required for projects participating in the Open Research Data Pilot, detailing what data the project will generate, whether and how they will be exploited or made accessible for verification and re-use, and how they will be curated and preserved.

What’s new?

• Researcher should develop a DMP for the **project**.
• There is a **single** DMP template from start to finish.
• The DMP template is inspired by the **FAIR principles**: research data should be findable, accessible, interoperable and re-usable

Also explicit in the new guidelines:

• From 1-1-2017 the pilot will cover **all thematic areas of Horizon 2020**.
• **(Partial) opting out** remains possible.
• Costs related to open access to research data are eligible for **reimbursement during the duration of the project** under the conditions defined in the Grant Agreement.
Deze sheet alleen gebruiken voor bijvoorbeeld een screenshot van een applicatie. Door het ontbreken van stijlkenmerken kan de screenshot zo groot mogelijk. Voor alle andere informatie altijd een sheet met stijlkenmerken gebruiken!
**Dataset**

**Children of Immigrants Longitudinal Survey in the Netherlands (CILS NL)... (2016)**

<table>
<thead>
<tr>
<th>Title</th>
<th>Children of Immigrants Longitudinal Survey in the Netherlands (CILS NL) - Wave 4. Reduced version v4.0.0.</th>
</tr>
</thead>
</table>
| Creator | Jaspers, dr. E. (Universiteit Utrecht)  
Tubergen, prof. dr. F. van (Universiteit Utrecht) |
| Contributor | Smith, dr. S. (Universiteit Utrecht)  
Geven, MSc. S. A. J. (Universiteit Utrecht)  
Coopmans, MSc. M. (Universiteit Utrecht)  
Hostra, MSc. B. (Universiteit Utrecht)  
Zantvliet, Dr. P. I. van (Universiteit Utrecht)  
Vleuten, MSc. M. van der (Universiteit Utrecht) |
| Date | 2016-12-31 |
| Reference(s) | Socio-cultural sciences, Sociology, Behavioural sciences, Political science, Criminal (procedural) law and criminology, Young adults: Adolescents; Immigrants: Minority groups; Attitudes; Lifestyle; Norms; Values; Social networks; Social participation; Education; Employment; Longitudinal; Life-Course; jongvolwassenen; Adolescenten, Allochtonen; Minderheidsgroepen, Levensstijl; Normen; Waarden, Sociale netwerken; Sociale participatie, Onderwijsloopbaan; Arbeidsmarktpositie, Longitudinaal; Levensloop |
| Language | English |
| Type | Other |
| Abstract | The current panel describes and explains the life-courses of immigrant and native young adults in the Netherlands. The survey covers three central themes: (A) progress in school and in the labour market, (B) the development of norms, values, lifestyle and attitudes, (C) changes in social networks and social participation. This panel is a continuation of the 3-wave panel study CILS-SEU, which followed these immigrant and native children at age 14, 15 and 16 in the Netherlands, England, Germany and Sweden. Wave 4 interviews respondents of around 17 years old. The reduced version includes reduced and aggregated information for some variables. |
| Dataset | https://easy.dans.knaw.nl/ui/rest/datasets/easy-dataset:6564... |
| Persistent Identifier | urn:nbn:nl:ui:13-ahl3-yj |
| Metadata | XML |
| Source | DANS-KNAW |
THEMATIC COLLECTION: CHILDREN OF IMMIGRANTS LONGITUDINAL SURVEY IN THE NETHERLANDS (CILSNL)

Overview

Persistent identifier

DOI: 10.17026/dans-xh4-29fb
URN: urn:nbn:nl:ui:13-amik-9t

Creator

Jaspers, dr. E. (Universiteit Utrecht) DAI: info:eu-repo/dai/nl/190004584
Tubergen, prof. dr. F. van (Universiteit Utrecht) DAI: info:eu-repo/dai/nl/271429534

Title

Thematic Collection: Children of Immigrants Longitudinal Survey in the Netherlands (CILSNL)

Description

The current panel describes and explains the life-courses of immigrant and native young adults in the Netherlands. The survey covers three central themes: (A) progress in school and in the labour market, (B) the development of norms, values, lifestyle and attitudes, (C) changes in social networks and social participation.

Respondents are interviewed at age 17 (wave 4), 18 (wave 5), 19 (wave 6), and 20 (wave 7). The panel provides extensive information about these crucial ages, in which they will experience important developments, events and transitions: at school, on the labour market, but also with respect to their religion, identity, anti-social behaviour, prejudice, health, interethnic contacts, transnational ties, dating partners, relationship with their parents, and social participation.

This panel is a continuation of the 3-wave panel study CILS4EU, which followed these immigrant and native children at age 14, 15, 16, 17 in the Netherlands, England, Germany and Sweden.

Date created (ISO 8601)

2017-12-31

Date created

2012-09-01 - 2017-12-31

Access rights

Restricted: request permission - Registered EASY users, but only after depositor permission is granted

Date available

2016-09-01

Audience

Social sciences
Sociology
Behavioural and educational sciences
Political science
Criminal (procedural) law and criminology
Migration, ethnic relations and multiculturalism

Contributor

Smith, dr. S. (Universiteit Utrecht)
Geven, MSc. S. A. J. (Universiteit Utrecht) DAI: info:eu-repo/dai/nl/466587965
Coopmans, MSc. M. (Universiteit Utrecht) DAI: info:eu-repo/dai/nl/369192478
Hofstra, MSc. B. (Universiteit Utrecht) DAI: info:eu-repo/dai/nl/369333821
Simsek, MSc. M. (Universiteit Utrecht) DAI: info:eu-repo/dai/nl/406519986
Access to Datasets in DANS archive 2012-2016

Type of Access

- Other (closed)
- Restricted (group access)
- Restricted (permission request)
- Open (after login)
- Open (CC0)

Number & Percentage of data sets

<table>
<thead>
<tr>
<th>Year</th>
<th>Other (closed)</th>
<th>Restricted (group access)</th>
<th>Restricted (permission request)</th>
<th>Open (after login)</th>
<th>Open (CC0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>0</td>
<td>11471</td>
<td>2.786</td>
<td>462</td>
<td>8841</td>
</tr>
<tr>
<td>2014</td>
<td>0</td>
<td>16838</td>
<td>2.945</td>
<td>378</td>
<td>6594</td>
</tr>
<tr>
<td>2016</td>
<td>0</td>
<td>21831</td>
<td>2.156</td>
<td>467</td>
<td>2156</td>
</tr>
</tbody>
</table>
Open in action: more steps are necessary

- Number of open access publications needs to grow. See also the ambition of the State Secretary.
- Open Data: a start has been made at the universities
- Big incentive: OA policies of national and international funders, like NWO and Horizon 2020
- Measure the progress: via the universities, or via NARCIS?
- In EASY more data should be open (CC-0 or CC-BY)
- In NARCIS we should make open data visible, also from other data archives

- But remember the scientific information infrastructure in the Netherlands is very good in comparison with many other European countries!
Data Archiving and Networked Services (DANS)

OpenAIRE has scheduled a full week of webinars on various topics which will shed some light on the implementation of Open Science and the activities OpenAIRE is involved in. Wednesday October 26, at 12.00 CEST, a webinar on Research Data Management in Horizon 2020 and the Zenodo repository functionalities will be held, with Marjan Grootveld (DANS) and Krzysztof Nowak (CERN): "Open Research Data in H2020 and Zenodo repository". See for more information the OpenAIRE website.

Erasmus University, Leiden University, Delft University of Technology

‘Publish for impact’ is the title of a seminar in the Science Centre at Delft on 27 October. It is organised by the universities in Delft, Leiden and Rotterdam and OpenAIRE. Subjects to be discussed are:

- Science for kids
- VSNU negotiations with large publishers
- NWO policy concerning open access

UvA, VU and AUAS

On 24, 26 and 27 October there are seminars for staff, students and others who are interested. The subjects are:
Thank you for your attention!

elly.dijk@dans.knaw.nl

narcis.nl / dans.knaw.nl