



# NARCIS - more than a gateway to Open Access publications in The Netherlands

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KNAW Research Information

Open Access Infrastructures: the Future of Scientific Communication, Athens - Greece,

15 December 2008



## Royal Netherlands Academy of Arts and Sciences

### Academy's mission:

- To ensure the quality of scientific research in the Netherlands
- to promote the open accessibility of scientific information

### Mission of my Department:

- National focal point of research information

### Member of EuroCRIS:

[www.eurocris.org](http://www.eurocris.org)

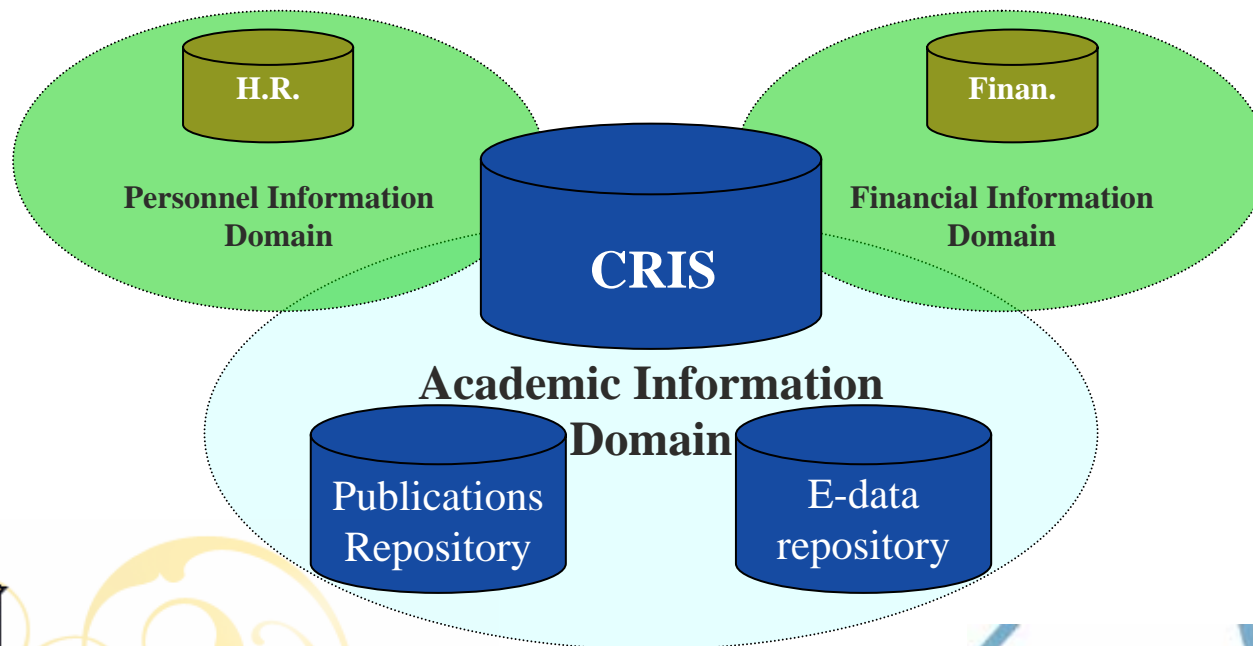


## Outline

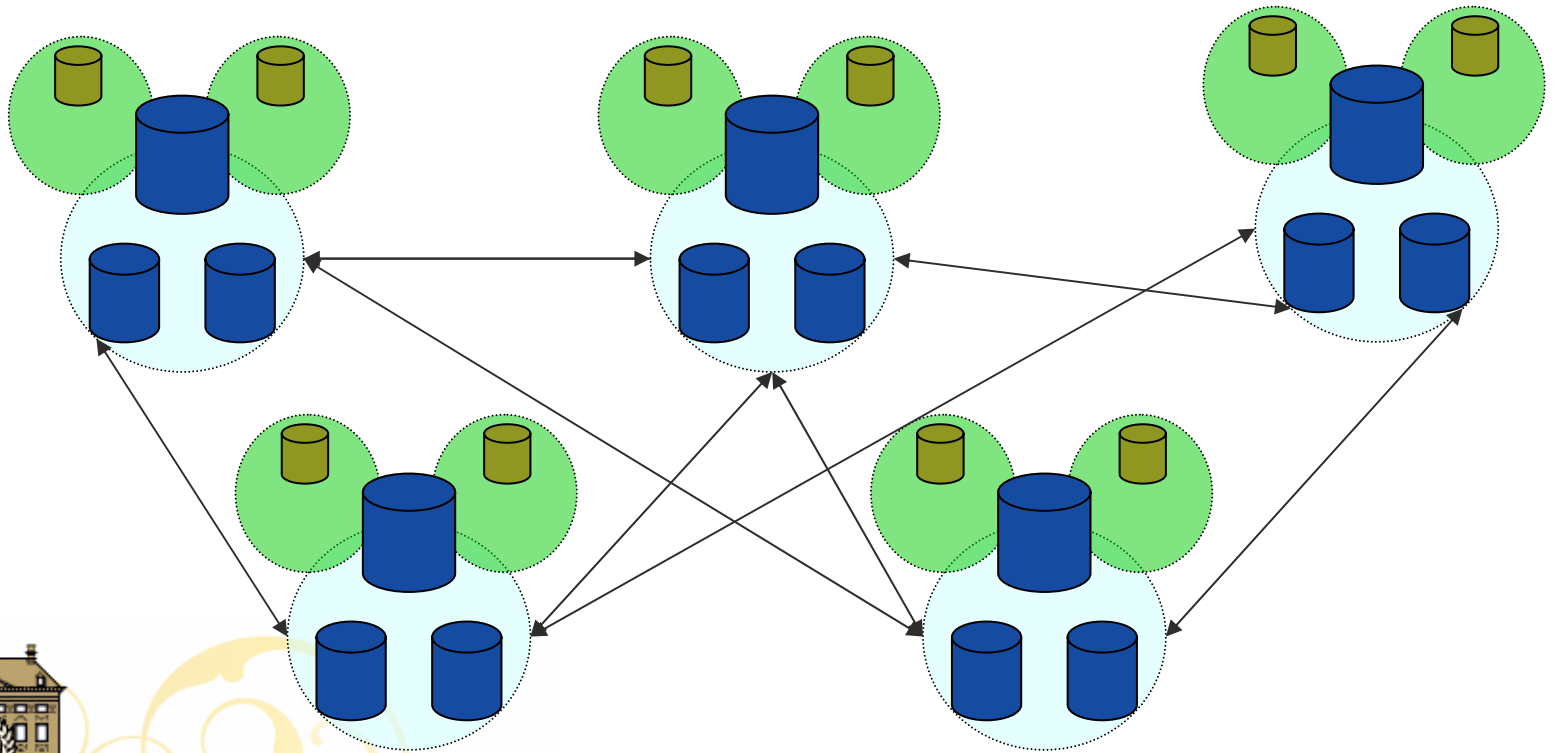
- Dutch Infrastructure for Research Information
- ✓ Open Access movement in The Netherlands
- Dutch scholarly portal NARCIS
- Digital Author Identifier - DAI
- Joining CRIS, OAR and e-Data: Barriers
- Further developments
- Conclusions



# Academic Information Domain



# Dutch Academic Information Domain Heaven?





## Current Research Information System

- Every university and the Academy has it's own CRIS: Metis

### Content:

- ✓ Researchers: expertise, research data and workplaces
- ✓ Research Institutions: Profiles and Addresses
- ✓ Research Programmes and Projects
- ✓ Bibliographical information on research results





# National CRIS: Dutch Research Database

## Sources:

- ✓ University systems - Metis systems
- ✓ Other research institutions
- ✓ National Research Council

## Content:

- ✓ Research Programmes and Projects
- ✓ Research institutions
- ✓ Researchers

## Data model:

- CERIF - Common European Research Information Format developed by EuroCRIS





## Open access movement in The Netherlands

- Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities - October 2003
  - ✓ Signed by the Academy - 2004 -, the universities, and the National Research Council
  
- **Golden route** of OA publishing: OA journals
  - ✓ Directory of Open Access Journals - DOAJ: <http://www.doaj.org/>
  - ✓ 28 Open Access Journals in The Netherlands
  
- **Green route** of Open Access publishing: repositories
  - ✓ Part of DRIVER - **D**igital **R**epository **I**nfrastructure **V**ision for **E**uropean **R**esearch







## *Publications Repositories*

- National DARE programme - Digital Academic Repositories
- Better access to the results of publicly funded research
- By development of institutional repositories: universities, Academy, National Research Council, smaller research institutes
- Long term preservation by the National Library
- Coordinated by SURFFoundation







## *Publications Repositories*

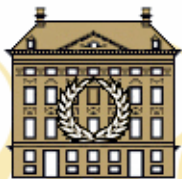
- **23 Open Access Repositories**
- **165,000 full-text publications**
- **Subsections: *Cream of Science* and *Promise of Science***





# *E-Data repositories*

- The universities don't have e-Data repositories 
- ✓ Researchers don't take good care of their research data
- ✓ Keep information in their computer
- ✓ Don't take care of preservation
- ✓ Don't like to share their data
- E-Data Institute DANS -Data Archiving and Networked Services 



E-Data

# DANS

## Data Archiving and Networked Services

- Repository called EASY - Electronic Archiving System
- Data themselves available under the conditions specified by the depositor
- Humanities and Social Science

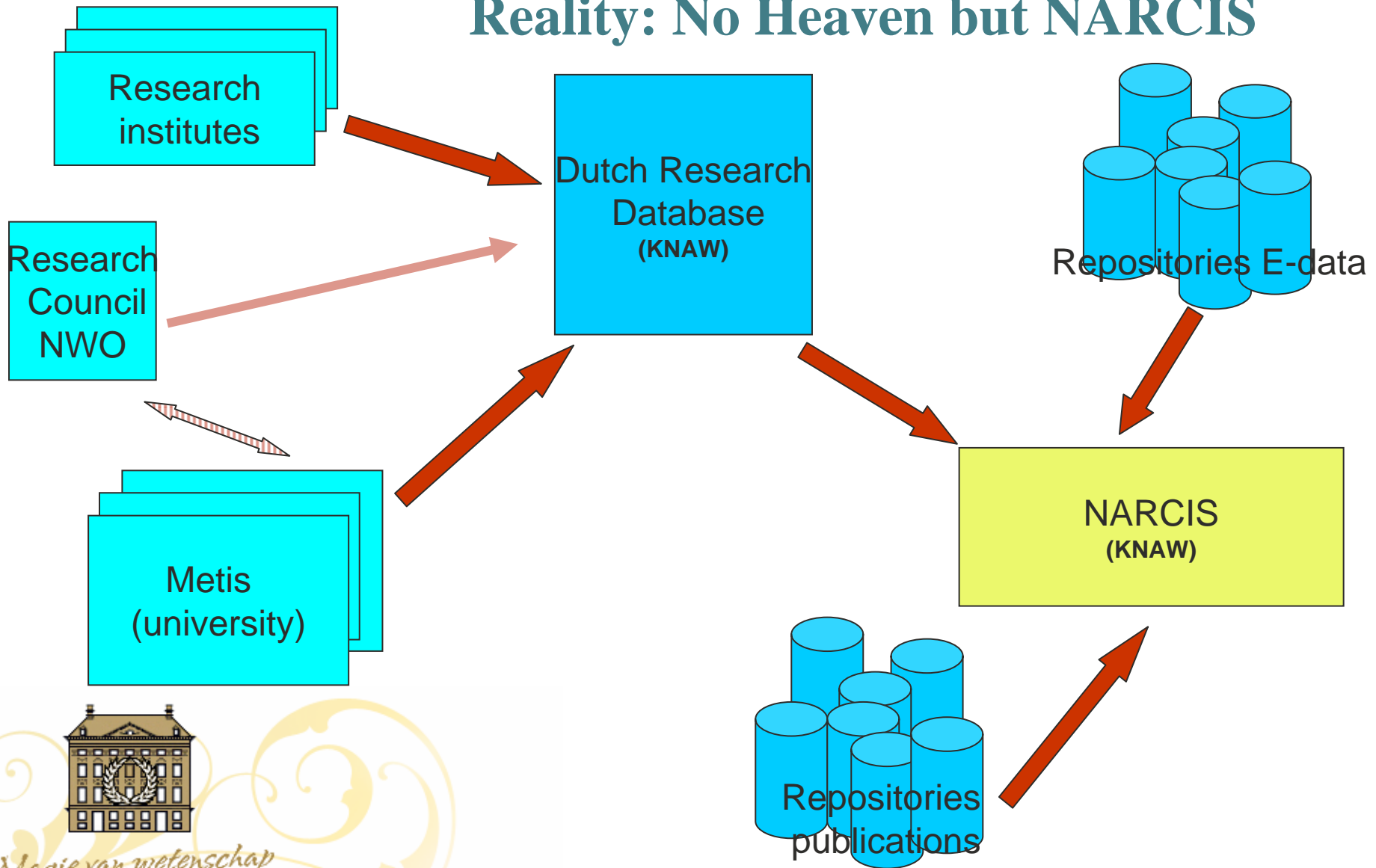
*Dutch GNP*

**Table F.1**  
Gross National Income by Component, 1807-1913  
(millions of guilders, current prices)

|      | wages  | capital<br>income | profits | depreciation | indirect<br>taxes | gross<br>national<br>income |
|------|--------|-------------------|---------|--------------|-------------------|-----------------------------|
| 1897 | 727.6  | 451.7             | 156.7   | 107.7        | 87.7              | 1531.4                      |
| 1898 | 763.1  | 399.1             | 160.6   | 109.8        | 90.4              | 1523.0                      |
| 1899 | 778.3  | 497.4             | 171.4   | 114.7        | 93.1              | 1654.9                      |
| 1900 | 796.4  | 643.2             | 179.3   | 121.5        | 97.0              | 1837.4                      |
| 1901 | 820.8  | 464.1             | 187.0   | 122.7        | 99.8              | 1694.4                      |
| 1902 | 844.7  | 616.5             | 192.0   | 119.3        | 102.3             | 1874.9                      |
| 1903 | 857.7  | 695.4             | 197.9   | 126.5        | 105.0             | 1982.5                      |
| 1904 | 877.0  | 600.1             | 207.5   | 129.1        | 107.7             | 1921.4                      |
| 1905 | 902.3  | 622.8             | 221.3   | 129.5        | 109.6             | 1985.4                      |
| 1906 | 926.1  | 614.0             | 243.1   | 139.9        | 115.5             | 2038.6                      |
| 1907 | 943.5  | 594.8             | 239.3   | 148.2        | 116.3             | 2042.2                      |
| 1908 | 951.5  | 652.0             | 243.1   | 155.6        | 114.8             | 2116.9                      |
| 1909 | 972.8  | 634.8             | 248.1   | 153.1        | 120.9             | 2129.6                      |
| 1910 | 1003.4 | 663.6             | 257.7   | 156.1        | 126.2             | 2206.9                      |
| 1911 | 1035.0 | 737.5             | 279.3   | 165.5        | 130.1             | 2347.4                      |
| 1912 | 1080.4 | 961.4             | 333.8   | 177.3        | 135.8             | 2688.7                      |
| 1913 | 1142.6 | 1155.2            | 372.2   | 199.2        | 142.4             | 3011.5                      |



## Reality: No Heaven but NARCIS



## NARCIS (Daffodil): Dutch Scientific Portal



- National Academic Research and Collaborations Information System
- Harvests records:
  - ✓ Dutch Research Database
  - ✓ Academic repositories
  - ✓ E-Data from DANS



## Content NARCIS

- **Dutch Research Database:**
  - ✓ Expert database: 10,000 researchers
  - ✓ Portal of Professors and associate professors: 7,500 names
  - ✓ About 36,000 names of researchers
  - ✓ Project descriptions of current (20,000 records) and completed research projects (22,000 records)
  - ✓ About 3,200 records of university or non-university research institutes
  
- **Open Access Repositories: 165,000 full-text publications**
  
- **DANS: Over 2,000 datasets**



## From a portal to a Dutch Academic Information Domain

- One portal to research related information
- All three systems searchable simultaneously
- Makes advantage of the real situation

*but:*

- No relation between the objects in the different systems!

*Solution:*

- **Persistent Identifier for Persons**



"My data system isn't speaking to your data system."





## Why is a persistent identifier for persons needed?

- Identifying persons: same name/name variations
- Merging information (e.g. publications) from different sources
- Keeping track of people across institutes, projects etc.
- Linking persons with other entities, e.g institutes, research, publications



## Overview of persistent identifiers for persons

- Social security number
- Authority records or name lists of (national) libraries
- OpenID - <http://openid.net/>
- Scopus Author Identifier
- ResearcherID - <http://www.researcherid.com/>
- Digital Author Identifier - DAI



## What is a Digital Author Identifier - DAI?

- Digital Author Identifier is a unique number
- Assigned to every author who has been appointed to a position at a university or research institute
- In the Netherlands: a national number



## Implementation of the Digital Author Identifier

- Co-operation of all Dutch universities, Academy and Dutch Research Council
- Creating a thesaurus of author names with corresponding DAI within the OCLC-PICA library system
- Matching DAI and author names in all three research related information systems
- 40,000 unique author names with DAI's



NARCIS provides access to 152138 scientific publications, over 2,100 datasets, and information on researchers (expertise), research projects and research institutes in the Netherlands.

Organisations  Persons  Current research  Publications (Open Access)  Data sets

- query: 'meeus'
- 38 results.

**W.H.J. Meeus**

Filter: Type: [Persons](#) Source: [Dutch Research Database](#)

**M.T.H. Meeus**

Filter: Type: [Persons](#) Source: [Dutch Research Database](#)

**Co-Occurrence of Depression and Delinquency in Personality Types (2006)**

Filter: Type: [Publications \(Open Access\)](#) Author: [Akse, J.](#) [Engels, R.](#) [Hale, B.](#) [Meeus, W.](#) [Raaijmakers, Q.](#) Source: [Utrecht University](#)

**Stability and change in personality type membership and anxiety in adolescence (2006)**

Filter: Type: [Publications \(Open Access\)](#) Author: [Meeus, W.H.J.](#) [Raaijmakers, Q.A.W.](#) [Engels, R.C.M.E.](#) [Hale III, W.W.](#) [Akse, J.](#) Source: [Utrecht University](#)

**Separation-individuation revisited: On the interplay of parent-adolescent relations, identity and emotional adjustment in adolescence. (2005)**

Filter: Type: [Publications \(Open Access\)](#) Author: [Iedema, J.](#) [Maassen, G.H.](#) [Meeus, W.](#) [Engels, R.](#) Source: [Utrecht University](#)

**Attachment, social network and homelessness in young people. (1999)**

Filter: Type: [Publications \(Open Access\)](#) Author: [Meeus, W.](#) [Thomeer, M.](#) [Tavecchio, L.W.C.](#) Source: [University of Amsterdam](#)

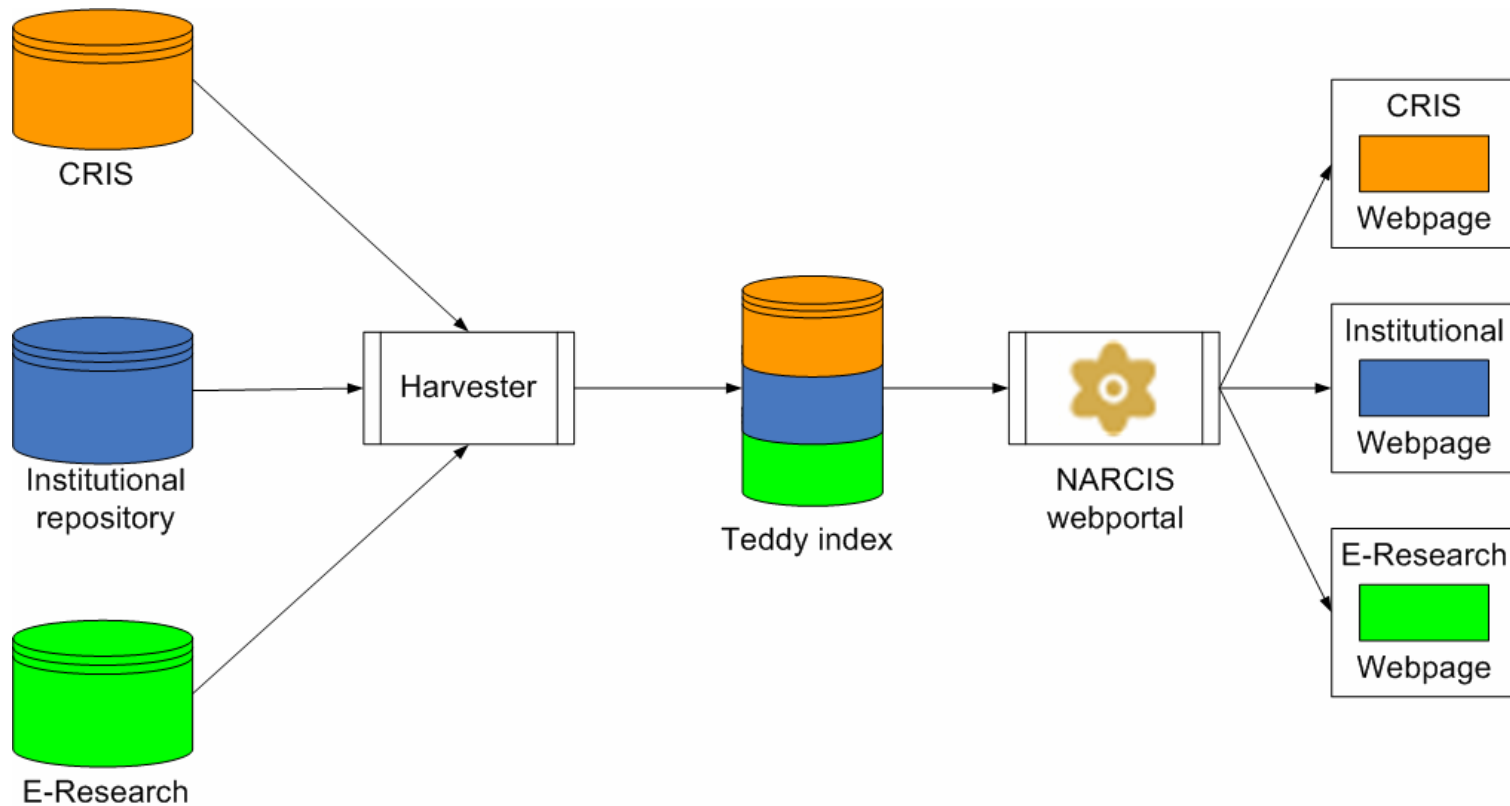
**R&D cooperation in a transaction cost perspective (2001)**


Filter: Type: [Publications \(Open Access\)](#) Author: [Meeus, M.T.H.](#) Source: [Tilburg University](#)

**Attachment in adolescence: A social relations model analysis (2004)**

Filter: Type: [Publications \(Open Access\)](#) Author: [Aken, M.A.G. van](#) [Dekovic, M.](#) [Meeus, W.H.J.](#) [Buist, K.L.](#) Source: [Utrecht University](#)

# DAI in action



|                                  |   |
|----------------------------------|---|
| <b>Expertise</b>                 | Adolescence; youth; Adolescents; Career; Identity and Personality development; Relations with parents and peers; Political attitude; Depressions and stress; Mental health; School career; Social problems; Generation gap; youth delinquency; Pedagogics; Psychology; Sociology                        |
| <b>Expertise (NL)</b>            | Adolescentie; Jeugd; Adolescenten; Loopbaan; Identiteits- en persoonlijkheidontwikkeling; Relaties met ouders en vrienden; Politieke attitudes; Depressie en stress; Geestelijke gezondheid; Schoolloopbaan; Sociale problemen; Generatiekloof; Jeugdcriminaliteit; Pedagogiek; Psychologie; Sociologie |
| <b>Digital Author Identifier</b> | <a href="mailto:info:eu-repo/dai/nl/304825271">info:eu-repo/dai/nl/304825271</a>  |
| <b>METIS</b>                     | <a href="#">Papers</a> from the METIS system of the UU   |

## TagCloud

adolescence

adolescent development career depressions development educational family relationships formation friendship relationships generation identity mental health parent child relationship parents pedagogics peers personality personality development political attitude psychology relations relationships school career social movements social problems sociology stress youth youth delinquency youth development

## Active as

- Professor [Pedagogical Sciences \(UU\)](#)
  - Chair (EN)** Adolescent Psychology
  - Chair (NL)** Menswetenschappelijke studie van de jeugd
  - Phone** +31-30-2532012
  - Email** [w.meeus@fss.uu.nl](mailto:w.meeus@fss.uu.nl)

## Datasets

- [CONAMORE \(Conflict and Management of Relationships\) Adolescent study; Longitudinal survey - ongoing since 2001](#)
- [Adolescent conservatism 1985; Adolescent conservatism 1985](#)

## Open Access Publications

- [Co-Occurrence of Depression and Delinquency in Personality Types](#)
- [Verandering in persoonlijkheid en angst gedurende de adolescentie](#)
- [Separation-individuation revisited: On the interplay of parent-adolescent relations, identity and emotional adjustment in adolescence.](#)
- [Attachment in adolescence: A social relations model analysis](#)
- [The reciprocal relationship between early adolescent attachment and internalizing and externalizing problem behaviour](#)
- [Gehechtheid en internaliserend en externaliserend probleemgedrag bij adolescenten](#)
- [Leeftijdgebonden veranderingen in kwaliteit van gehechtheid van adolescenten aan vader en moeder](#)
- [Personality, perceived parental rejection and problem behaviour in adolescence](#)
- [Een onderzoek naar het verband tussen ouderlijke afwijzing en depressie en agressie bij adolescenten](#)
- [How do vocational and relationship stressors and identity formation affect adolescent mental health?](#)

## Current research

(the most recent research is at the top)

- Supervisor [The dynamics of identity formation in adolescence](#)
- Project leader [Research on Adolescent Development and Relationships](#)

# Joining CRIS, OAR and e-data: Barriers

Technical barriers are not the main issues

- ✓ Interoperability:
  - ⇒ Using OAI - PMH protocol
- ✓ Exchange formats:
  - ⇒ DC, DIDL and MODS for repositories
  - ⇒ CERIF based XML for CRIS
- Organizational issues are important
- ✓ Cooperation:
  - ⇒ To make appointments about formats, deadlines, implementation
- ✓ Willingness:
  - ⇒ To assign Digital Author Identifiers
  - ⇒ To fill the CRISs and the repositories





## The Future

- **Open Access Year 2009:** More full-text publications in the repositories
- Publication lists - harvesting of the “bibliographic only records”
- RSS service for the researcher’s website
- Enhanced publications for the international DRIVER project - **Digital Repository Infrastructure Vision for European Research**
- Metadata store (NARCIS becomes a National Repository)
- The technical universities are working on a repository with e-data for the technical sciences



## 2009: Open Access Year in The Netherlands

- Coordinated by SURFFoundation
- In cooperation with the Academy, National Research Council and all the universities
- Open Access rOAdmap 2009:
  - ✓ Communication: website, fact sheets, press releases, movies, conferences, presentations, et cetera
  - ✓ Grass root projects for promoting open access
  - ✓ Involvement of researchers
  - ✓ Copyright issues

✓ No mandating!



## Conclusions

- It is possible to create a Dutch Academic Information Domain even when the systems are not connected
- Need for integration on some level: Digital Author Identifier
- To create a Dutch Academic Information Domain the greatest challenges are organizational
- So maybe Heaven doesn't exist in the Dutch research infrastructure, but we have NARCIS!



Thank you for listening



[www.narcis.info](http://www.narcis.info)

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