

NARCIS – Gateway to scientific information from the Netherlands



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KNAW Research Information

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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

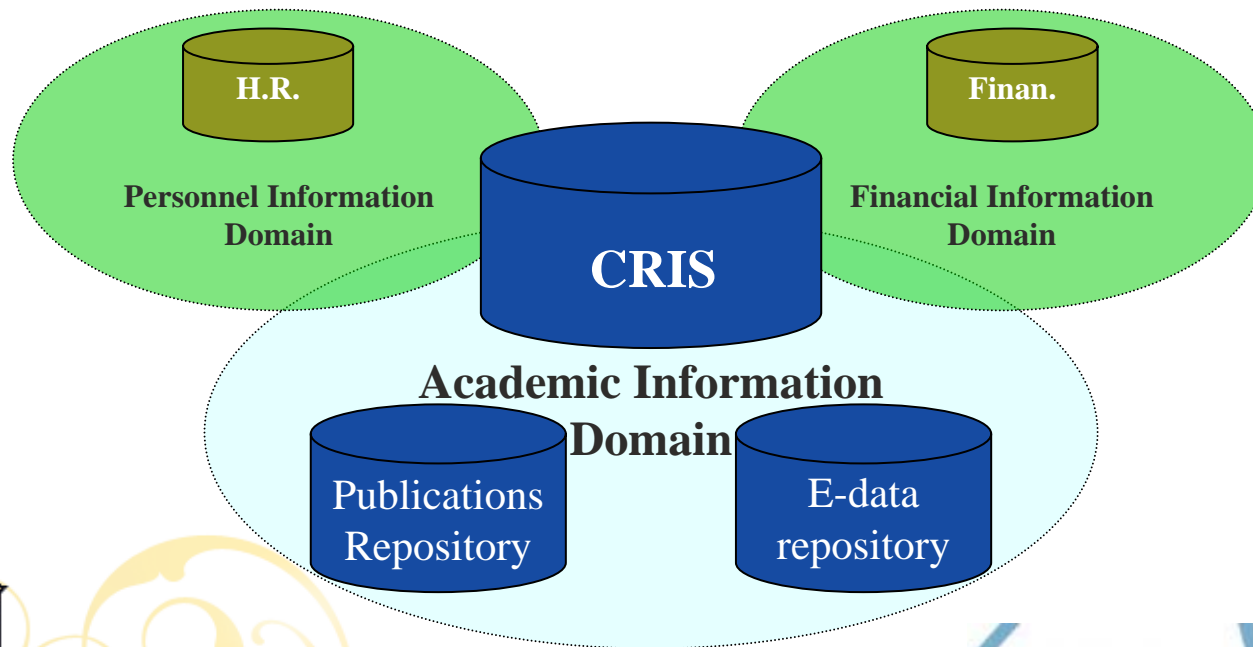


Outline

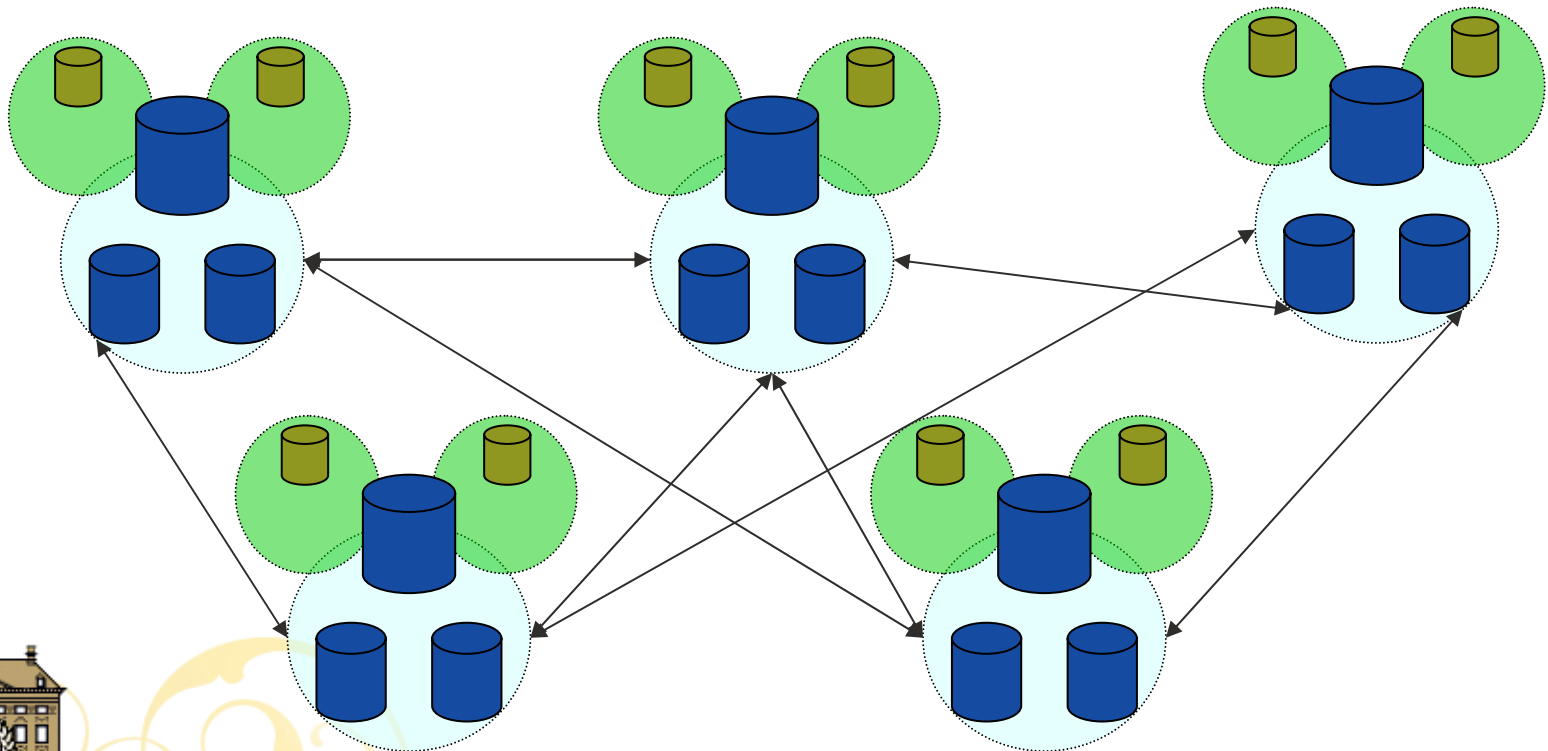
- Dutch Infrastructure for Research Information
- Dutch scientific portal NARCIS
- Digital Author Identifier – DAI
- Joining CRIS, OAR and e-Data: Barriers
- Further developments
- Conclusions



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





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**
- **162,000 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

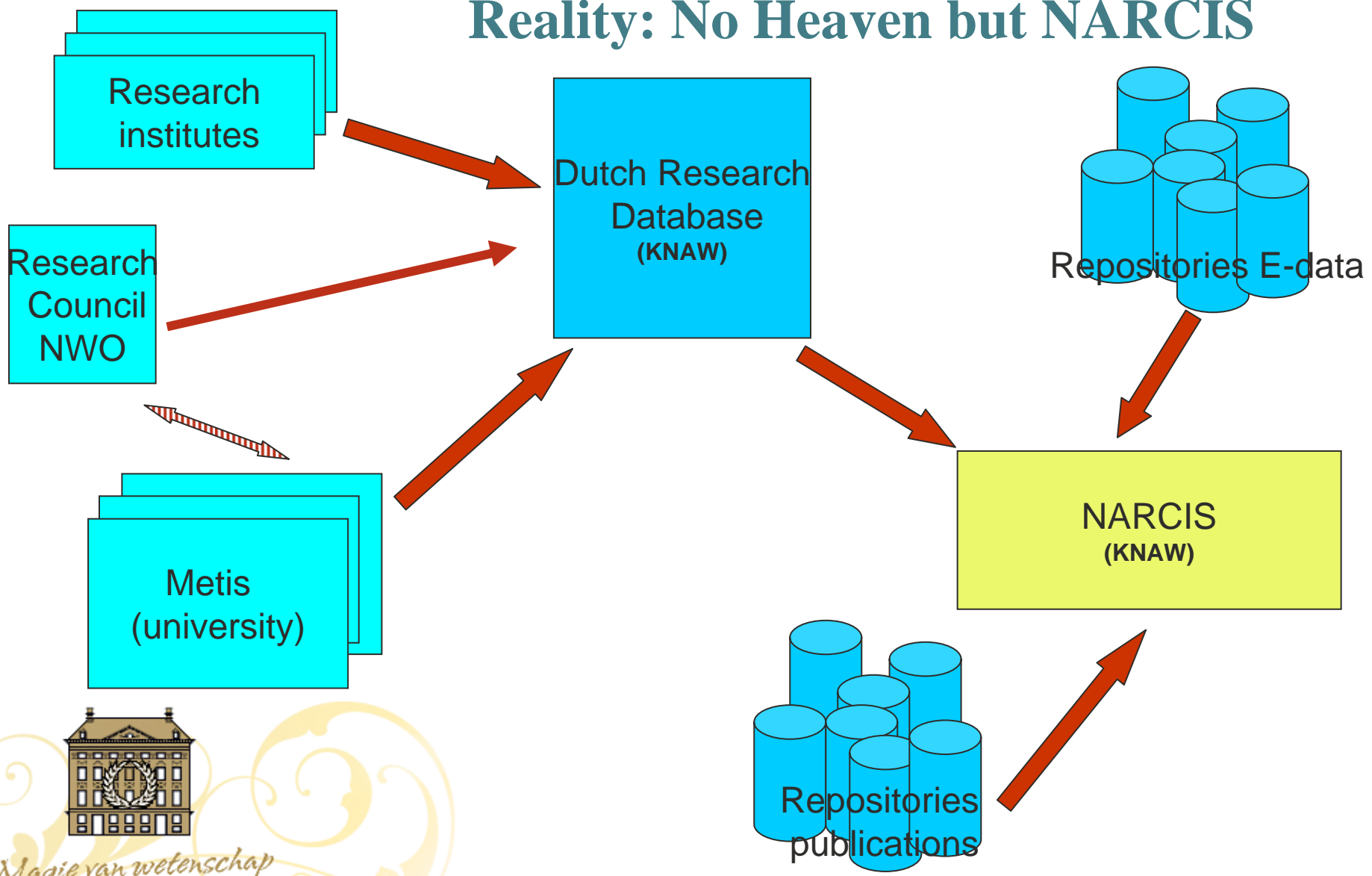
Dutch GNP

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

	wages	capital income	profits	depreciation	indirect taxes	gross national 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: 162,000 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?

- Merging information (e.g. publications) from different sources
- Identifying persons: same name/name variations
- 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](#)

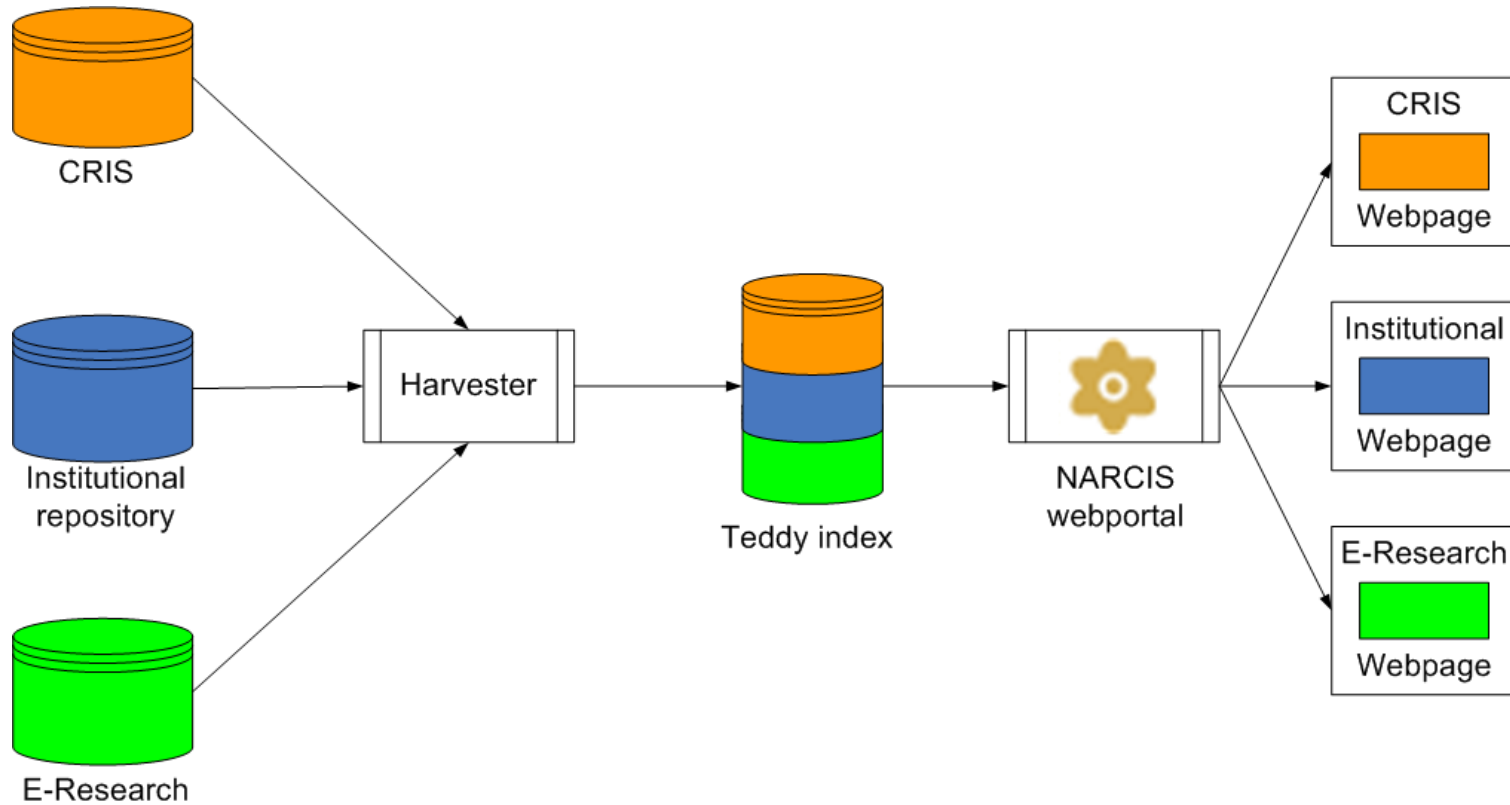
**R&D cooperation in a transaction cost perspective (2001)**


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



Expertise	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
Expertise (NL)	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
Digital Author Identifier	info:eu-repo/dai/nl/304825271
METIS	Papers 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

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](#)
- [Leeftijdsggebonden 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 point
- ✓ Interoperability: OAI – PMH protocol
- ✓ Exchange formats: DC, DIDL and MODS for repositories
CERIF based XML for CRIS

- Organizational issues: Willingness!
- ✓ To assign Digital Author Identifiers
- ✓ To fill the CRISs and the repositories



The Future

- Publication lists – harvesting of the “bibliographic only records”
- RSS service for the researcher’s website
- Visualisations: research collaboration diagrams
- 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



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

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