

Towards a Dutch Academic Information Domain

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KNAW research Information

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Outline

- Short History of Repository Building
- Academic Information Domain Concept
- NARCIS Portal in the Netherlands
- Technical Implementation
- European Perspectives



History (developments 2003-2007)

- DARE programme → DAREnet
- SURF and KNAW



- European roll-out of DAREnet model:
DRIVER I

Academic Information Domain (I)

Origin :  *Knowledge Exchange*

Collaboration: 





Deutsche
Forschungsgemeinschaft



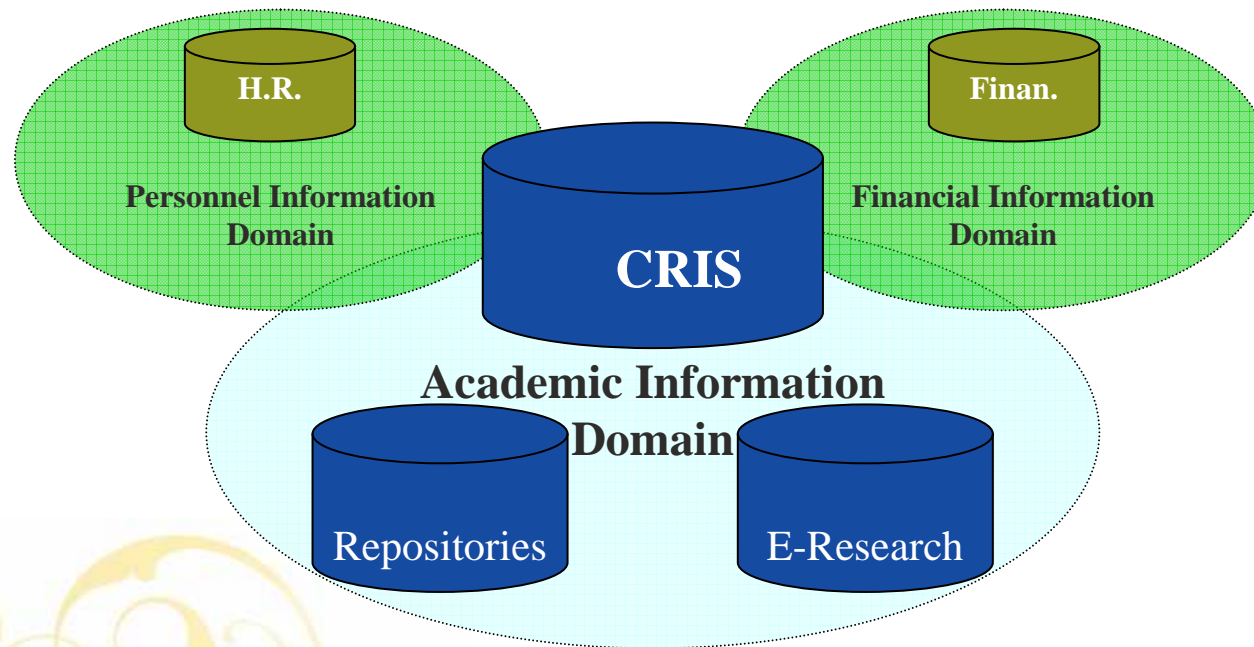

Academic Information Domain (II)

Components of the AID

- Research Publications
- Datasets
- Research Descriptions



Schema of the Academic Information Domain



AID basic components in The Netherlands

- *Dutch Research Database*
- **DAREnet**
- **DANS -EASY**



Dutch Research Database(NOD)

- Researchers (with their expertise, research data and workplaces)
- Research Institutions and Research Schools (Profiles and Addresses)
- Current Research Programmes and Research Projects



AID basic components in The Netherlands

- Dutch Research Database
- [DAREnet](#)
- **DANS -EASY**



DAREnet

- Central Access Point to the Dutch Institutional Repositories of Open Access publications
- All items in all Repositories searchable at a time
- Subsections: *Cream of Science* and *Promise of Science*



AID basic components in The Netherlands

- Dutch Research Database
- DAREnet
- DANS -EASY



DANS-EASY

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
1807	727.6	451.7	156.7	107.7	87.7	1531.4
1808	763.1	399.1	160.6	109.8	90.4	1523.0
1809	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

Electronic Archiving System of the Institute
DANS (Data Archiving and Networked Services)

Metadata of deposited datasets free searchable

Data themselves available under the conditions specified by the depositor

Focus on the Humanities and Social Sciences



Tweehonderd jaar Koninklijke Nederlandse Akademie van Wetenschappen

1808 - 2008

NARCIS (Daffodil): a new Dutch Portal



Magie van wetenschap

NARCIS:

National Academic Research and Collaborations Information System



NARCIS

- Origin, Role and function
- NARCIS as a Dutch AID in Development
- DAREnet Functionalities Integrated



From NARCIS to Dutch AID: Digital Glue Needed

Interlinking

Persistent Identifiers

Digital Author Identifier

Extra metadata elements





Narcis Person: W.H.J. Meeus - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://ip042.niwi.knaw.nl:8082/person/query/meeus/RecordID/PR51237369/Language/en

De VerkeersInformati... NARCIS Onderzoekinformatie... Add to Connotea SURFshare community NARCIS testversie Informationsplattfor... NARCIS testsite DRIVER SURFdirect Home - SURFdirect

Narcis Person: W.H.J. Meeus Presentaties (www.onderzoekinforma... Partij Mugabe en oppositie gelijk op in ...

meeus search

Organisations Persons Current research Publications (Open Access) Data sets

Meeus, Prof.dr. W.H.J.

[back to resultlist meeus](#)

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 304825271

METIS [Papers](#) from the METIS system of the UU

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 at DANS

- [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](#)
- [Leeftijdsgelonden 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)

- Project leader [Research on Adolescent Development and Relationships](#)
- Supervisor [Development and Transitions in Relationships of Adolescents with Parents and Friends](#)
- Supervisor [Adolescent relationships with best friend: processes of formation, maintenance and dissolution](#)
- Supervisor [Intergenerational transmission of relationship models: Development of conflict management styles in families with adolescents](#)
- Project leader [Adolescent development: characteristics and determinants](#)

Done

Start Narcis Person: ... Downloads 7 Microsoft Offi... AID2.bmp - Wind... OR2006klein.PNG... Dutch AID versie ... --amsterdam.kna... 10:10 AM

Persistent Identifiers (PI)

Unlike URL's, PI's do not change in time

URN:NBN:<country code>[:subnamespace]:[instituteID]-[xxxx]

URN:NBN:NL:UI:28-77769



Implementation of PI

PI is embedded in the DIDL container

Target URL should be resolvable

National resolver functionality



Digital Author Identifier (DAI)

Avoids name ambiguity and variants

Enables integration of systems

National database hosted by OCLC



Implementation of DAI

Needed: link between Author and DAI

Dublin Core not sufficient

Introduction of (stripped) MODS in DIDL

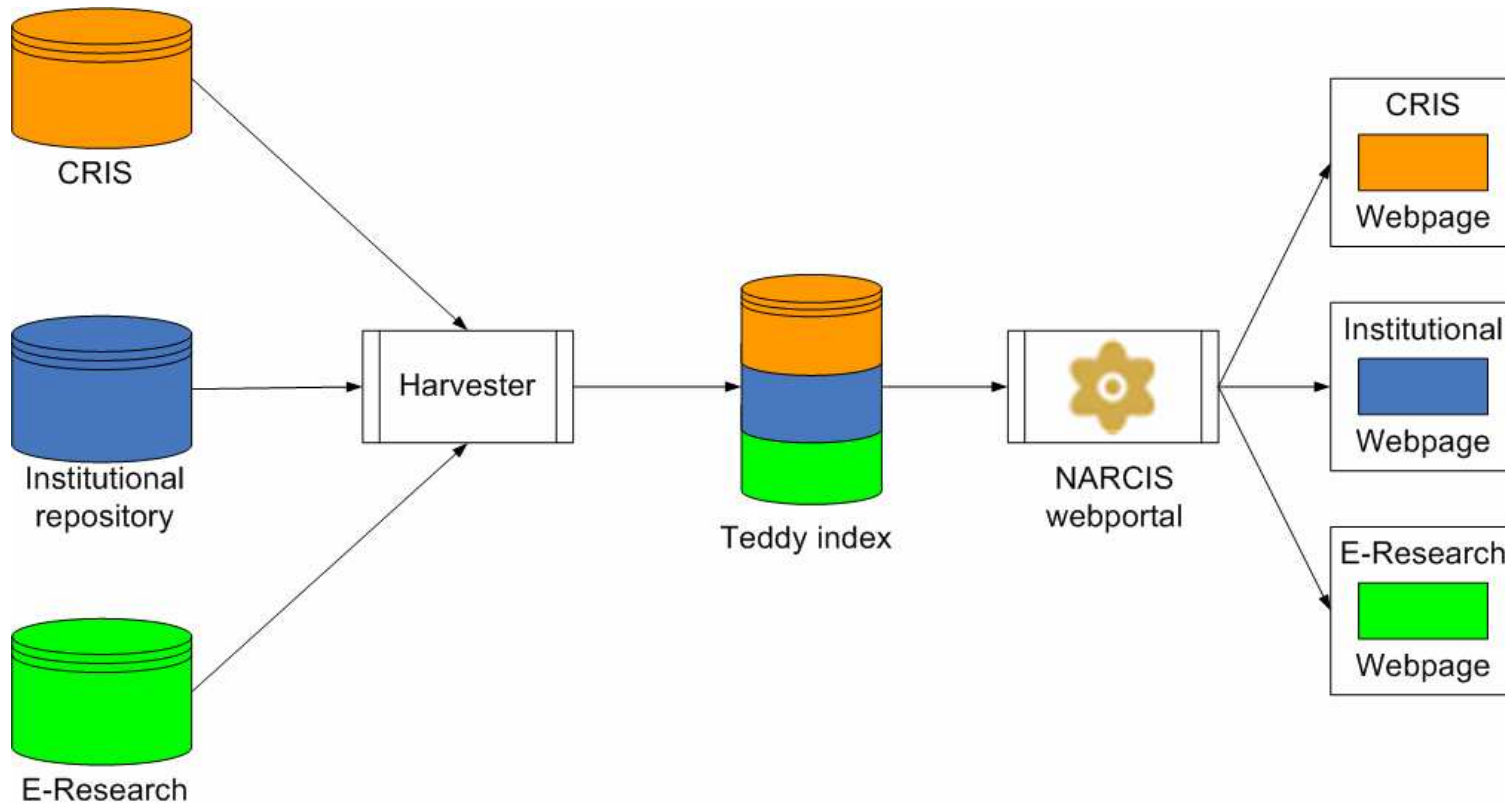


Metadata Object Description Schema

```
<mods>
  <name ID="n57777-0" type="personal">
    <namePart type="given">E.R.</namePart>
    <namePart type="family">Seydel</namePart>
  </name>
  (...)
  <extension>
    <daiList>
      <identifier IDref="n57777-0">297555138</identifier>
    </daiList>
  </extension>
</mods>
```



Dutch AID in action



AID in European Perspective

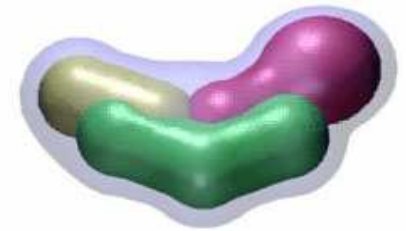


Digital Repository Infrastructure Vision for
European Research



From a Dutch AID towards a European (global) AID

Compound objects with
components from different
countries



Concluding remarks

Technical barriers not the main point

Organisational issues:

Willingness to assign DAI's

Willingness to report changes in URL's



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WWW.NARCIS.INFO



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