How do you DARE?
DARE Programme

Mission: Better access to the results of publicly funded research
DARE Programme

- Approved: 14 June 2002
- Name: DARE, Digital Academic Repositories
- Budget: M€ 5.9
- Standards: OAI-PMH 2.0; Dublin Core
- Partners: All universities, KNAW, NWO and KB
Services

- Research
  - Subject repositories, refereed portals, databases, collaboratories, (Open Access) journals, ...

- Education
  - Virtual Learning Environments, Course Ware, Readers, ...

- Society
  - Institutional windows, expertise, professional journals, personal Web sites, national windows, ...

Harvesters

Institutional Repository

Content

NWO
TUDelft
Academy
CNRS
MIT

Grid

waaijers@surf.nl
8-th International Bielefield Conference
10 March 2006
1-st milestone

27 January 2004

DAREnet
Nationwide (13 universities, KNAW, NWO)
Initially 17,000 publications (Today 61,000)

(OAIster: 604 OAI repositories)

waaijers@surf.nl 8-th International Bielefeld Conference 10 March 2006
From Library to ‘Libratory’

Services
- PR, academics, libraries, DARE
- Institutional windows, expertise, professional journals, personal web sites, national windows, ...

Research
- Subject repositories, refereed portals, databases, collaboratories, (Open Access) journals, ...

Libraries, Google Scholar!

Education
- Teachers, ICT-ers, libraries
- Virtual Learning Environments, Course Ware, Readers, ...

Harvesters

Institutional Repository
- Padova
- NWO
- Southampton
- Nottingham

Content

Grid

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8-th International Bielefeld Conference
10 March 2006
Embedding

Services

Society
Institutional windows, expertise, professional journals, personal Web sites, national windows, ...

PR, academics, libraries, DARE

Research
Subject repositories, refereed portals, databases, collaboratories, (Open Access) journals, ...

Libraries,
Google Scholar!

Education
Teachers, ICT-ers, libraries

Harvesters
Virtual Learning Environments, Course Ware, Readers, ...

Institutional Repositories

Content

Grid

Institutional Repositories

2005
2006

e-Depot

DANS

Amsterdam

Delft

Nat.

Auth.

Thes.

Meteiss

Meteiss

Meteiss

Meteiss

UvA

RUG

CERN

Lund

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8-th International Bielefeld Conference
10 March 2006
2-nd milestone

10 May 2005

www.creamofscience.org

Complete oeuvre of +10 top scientists per DARE participant
Some figures

- 15 Institutions
- 207 authors (187 male, 20 female)
- 40479 records = 195/author (from 3 to 1224)
- 23853 full text = 58.7% (from 19% to 96% per institute)
- 25% copyright obstructed, 15% only metadata available at the moment, 2% lost
3-rd milestone

LOREnet

Learning environments

BlackBoard

N@tschool

TeleTop

Repositories

ARNO

Intralibrary

Hive

Common Facilities

OAI - PMH

SOAP - XML

LOREnet portal

IMS-CP

HTML

IMP-CP compatible
4-th milestone

1 October 2006

HunDAREd thousand

- 100.000 new OA publications (of which 10.000 doctoral theses under the name) Promise of Science

and, what’s more,

- IRs are embedded in the local and national knowledge infrastructure
Under way

- Copyright tool kit (with JISC)
- Subject based (refereed) portals (quality selection!)
- Datasets (> e-science, collaboratories)
- RSS feeds, annotations, student theses, expertise,…
- Personal, institutional and international web sites,…
- Metadata complex objects (DIDL)
- LOREnet II
- HBO Kennisbank (bachelor theses)

See: www.darenen.t.nl
Critical success factors

- Andiamo approach:
  ‘Paths open up because we follow them up’

- SURF type of organisation:
  common mission and milestones, knowledge exchange, standards

- Professional cooperation:
  university libraries, national library, DANS, PICA, SURF

- Open standards:
  internet, web, XML, OAI PMH, DC ++, (IEEE LOM, DIDL, SOA)

- 2 layer concept: content grid – services
  public content infrastructure + demand driven content services
European dimension

**Operational:**  DARE to go Europe
DAREnet is very scalable: DRIVER

**Political:**
European Charter on open access to publicly funded knowledge
stating the principle and defining the responsibility of universities and research institutes (complementing the charters of Bologna and Lisbon on higher education)

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8-th International Bielefield Conference

10 March 2006
DARE Synopsis 2007>10

Publication cycle

- Research
- Composition of (enhanced) publication
- Registration
- Quality control
- Long term curation
- Dissemination
- Relevance assessment
- Funding

Actors

- Researchers
- University Library
- Publisher, Open review service
- Trusted third party
- Access service
- Funding agency

Facilities

- Scholarly workbench
- Repository systems
- Review facilities
- Long term preservation
- Search and retrieval
- Citations & usage analysis
- Technical infrastructure

Infrastructure

Information infrastructure based on service oriented architecture standards

2003>06

- +
- (text)
- +

2007>10

- +
- (data)
- +

DARE

= financing

= production

= content infrastructure

= content based services
Synopsis van het SURF MJP 2007>10, Platform Onderzoek

<table>
<thead>
<tr>
<th>Year</th>
<th>Production</th>
<th>Content Infrastructure</th>
<th>Content Based Services</th>
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<td>2003&gt;06</td>
<td>+</td>
<td>+ (text)</td>
<td>+</td>
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<tr>
<td>2007&gt;10</td>
<td>+</td>
<td>+ (data)</td>
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</table>

= financing  = production  = content infrastructure  = content based services
In January 2006, the DFG statutory bodies agreed to recommend making research results openly accessible by a modified wording of the approval letters:

„The DFG expects researchers to make their research results publicly available by publishing them digitally and in open access. Research results should therefore either be deposited in subject-based or institutional repositories or, in addition to conventional publications, be published in peer-reviewed and / or highly renowned open access journals.

Please point out to the readers that your publication results from a DFG-funded research project.“
Retaining Non-exclusive Rights Via Publishing Houses

The DFG executive committee has also decided that researchers should also be obliged to retain their copyright. Suggested wording:

„Scientists involved in DFG-funded projects should reserve themselves durable and irreversible non-exclusive rights in regard to the publishing houses in order to make their research results openly accessible via the internet. (…)“
Repository Networking: EU

- Role model: DARE (Digital Academic Repositories), NL
  www.darenet.nl

- DRIVER (Digital Repository Infrastructure Vision for European Research), planned as a Research Infrastructure Testbed Project, Bielefeld = Scientific-strategic coordinator
“Ideas and knowledge derived from publicly-funded research are made available and accessible for public use, interrogation, and scrutiny, as widely, rapidly and effectively as practicable.”

“Ensuring that the results of research supported by public funds are made accessible and available for consultation by the research community and others is an integral part of the research process.”
CONDITIONS UNDER WHICH A GRANT IS AWARDED

• Expects authors of research papers to maximise the opportunities to make their results available for free and, where possible, to retain their copyright.
• Will provide grantholders with additional funding to cover the costs of page processing charges levied by publishers who support the open access model.
• Requires electronic copies of any research papers that have been accepted for publication in a peer-reviewed journal, and are supported in whole or in part by Wellcome Trust funding, to be deposited into PubMed Central (or UK PubMed Central once established).