



# **DUO - the e-print repository for the University of Oslo**

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# Establishing an institutional repository

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- No longer a technological issue
  - Online storage costs have dropped significantly; repositories are now affordable
  - Standards like the Open Archives Initiative - Protocol for Metadata Harvesting (OAI-PMH) are now in place
  - Open source and commercial software platforms are available for an institution wishing to develop an institutional repository. (DSpace, E-Prints and many others)



# Establishing an institutional repository

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- The challenge consists of managerial, organizational and cultural issues
- The biggest problem:
  - to persuade faculty members and students to submit documents for inclusion
  - to be able to handle the workload (in the long run)



# Background figures for the University of Oslo

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- Every year 2200 students should/could submit a thesis
- Every year 3000 scientific staff members should/could submit/self-archive 5000-6000 scientific articles/reports



# Progress so far

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- 1642 full text documents in DUO
  - 1455 student theses
  - 13 dissertations
  - 171 reports
  - 2 books
  - 1 article

# Number of downloads (last 12 months)

**35151 downloads = average 26**

Faculty	Full text	Downloads	Average
HF	166	4517	27
JUS	466	10726	23
MED	77	1230	16
MN	347	5056	15
OD	11	163	15
TF	0	0	0
SV	390	11340	29
UV	28	1746	62



# Usages

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- 40 000 – 50 000 searches per month
  - 50 % from the University of Oslo
  - 20-30 % from abroad



# Starting point

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- We should design a system that administratively could handle an ever-increasing workload
- To survive we had to distribute the workload to many parties
- We had to communicate clearly what we want to do and get the support from the university, the scientific staff members and of course the library staff members





# Step 1

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- To develop a strategic plan for the institutional repository at the University of Oslo
  - The plan was comprehensive and covered 5 years, 2003-2007



## Step 2

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- To streamline the administrative system
  - Electronic publishing and the development of an institutional repository will affect everyone, i.e. students, scientific staff members, departmental faculty administration and library staff members
- Simple administrative routines
- It must be clear to everyone who is responsible for what



# Step 3

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- To write up-to-date web-based information for everyone involved. Specific information was produced for:
  - Students
  - Scientific staff members
  - DUO administrators at the faculty departments
  - DUO administrators at the library
  - General information
    - FAQ
    - News
    - About the project including all minutes

DUO - digitale publikasjoner ved Universitetet i Oslo - Microsoft Internet Explorer provided by Universitetet i Oslo


File Edit View Favorites Tools Help

Address <http://www.duo.uio.no/englishindex.html> Go Links

**UNIVERSITETET I OSLO**  UiO - nettsider Søk

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Digitale utgivelser ved UiO

The Faculty of Theology

**The Faculty of Law** (198)  
Department of [Criminology](#); [Private Law](#); [Public and International Law](#).  
[Norwegian Centre for Human Rights](#), [Norwegian Research Center for Computers and Law](#), [Scandinavian Institute of Maritime Law](#)

**The Faculty of Medicine** (103)  
Centre for Medical Ethics (SME), Department for Public Health (SFH), Department Group for Oslo Municipal Hospitals (IOKS), [Department Group of Basic Medical Sciences \(IMBA\)](#), Department Group of Clinical Medicine (IKLIN), [Department of General Practice and Community Medicine \(IASAM\)](#), Department Group of Laboratory Medicine (ILAB), Department Group of Psychiatry (IPSYK), Section for Health Science, [Institute of Nursing Science \(ISV\)](#)

**The Faculty of Arts** (715)  
Department of [Archaeology](#); [History of Art and Conservation](#); [British and American Studies](#); [Philosophy](#); [Germanic Studies](#); [History](#); [Classical and Romance Studies](#); [Culture Studies](#); [Linguistics](#); [Media and Communication](#); [Music and Theatre](#); [Scandinavian Studies and Comparative Literature](#); [East-European and Oriental Studies](#)

**The Faculty of Mathematics and Natural Sciences** (281)  
Department of [Biology](#); [Chemistry](#); [Geosciences](#); [Informatics](#); [Mathematics](#); [Molecular Biosciences](#); [Physics](#). [Institute of Theoretical Astrophysics](#), [School of Pharmacy](#)

**The Faculty of Dentistry**

**The Faculty of Social Sciences** (1502)  
Department of [Economics](#); [Political Science](#); Psychology; [Social Anthropology](#); [Sociology and Human Geography](#); [Centre for technology](#)

**Search DUO** [Norsk](#)

use \* as wildcard

[advanced search](#)

**In Norwegian only:**

**General information**  
[News](#)  
[FAQ](#)  
[Survey lists](#)

**Students**  
[Are you writing a thesis or a research paper?](#)  
Write in: [Word](#) - [LaTeX](#)  
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**UiO-employees**  
[Scientific publications](#)  
Write in: [Word](#) - [LaTeX](#)  
[Convert to PDF](#)  
[Submission](#)

**Institute administration**  
[Instructions](#)  
[Log in](#)

**Library employees**  
[Instructions](#)  
[Log in](#)

**About the project**  
[Information - contact](#)

**OAI compliant**

Start   Eudora - [Inbox (...)]  P4 Radio Hele No...  http://www.p4.n...  DUO - digitale p...  DUO paper Lund ...  DUO - Lund.ppt  Internet 11:20



## Step 4 – To market DUO

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- Every faculty department have
  - one contact-librarian for DUO
  - one DUO-administrator
  - a local DUO-page
- The librarians have visited their departments to market DUO and to get feed-back on DUO



## Step 5 - To train the users

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- Information about DUO should be included in all library teaching for:
  - all students preparing to write theses
  - all scientific staff members attending information skills programmes
- The DUO-project has developed teaching packages to be used during these classes



## Step 6 – Conversion to PDF

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- The users must submit their documents in PDF and in a text format (Word, Latex)
  - Word template developed to ensure easy conversion to PDF
- The users are responsible for converting the documents to PDF
- Campus license for Acrobat distiller



# Step 7 - Copyright

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- Authors retain the copyright
- Authors grant to DUO the non-exclusive right to make the document available in DUO
- To reduce the administrative work we hope to introduce electronic contracts in the near future, i.e. an accept button when you submit your document, instead of written contracts as we have today





## Step 8 – The transfer to e-only

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- In the future:
  - the optional printed version must be produced from the electronic version
  - the University of Oslo Library will only handle the electronic version and not the printed version



# Student theses

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- Our aim is that from 2006 it will be compulsory for all postgraduate students to submit their theses electronically



# Capturing journal articles

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- FRIDA is the research documentation system and it is compulsory for scientific staff members to register their production in FRIDA
- In the near future scientific staff members will be able to self-archive journal articles through FRIDA and the metadata and full text will be automatically transferred to DUO



# NORA - Norwegian Open Research Archives

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- A national gateway for institutional repositories in Norway
  - Financed by The Norwegian Digital Library at the Norwegian Archive, Library and Museum Authority
  - First project meeting 6th of April 2005
- Harvest metadata from all Norwegian institutional repositories
- Create a common database with advanced searching facilities
- Common metadata model
- Common subject category system



Norwegian  
Open  
Research  
Archives

## Simple search in NORA

All archives

**Archive:**

**Language:** All languages

**Searchfield:**

[Norsk](#) | [Contact addresses](#)





# Conclusion

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- The strategic plan has been an important tool in communicating the aims of the project and in getting the support of the university, the scientific staff members and of course the library staff members
- It is a challenging task to change the behaviour of 3000 scientific staff members and the 2200 students who produce theses each year
- By using a systematic approach we will hopefully reach our goal that all student theses will be deposited in DUO
- Today there are few self-archived articles in DUO
- Our strategy for boosting the number of self-archived articles within the next year is by integrating DUO and FRIDA and by introducing a Norwegian gateway for institutional repositories



# Conclusion

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Setting up an institutional repository is hard work but it is part of the digital infrastructure of the modern university

Thank you for your attention!



## IFLA Satellite meeting No 17. Open access: the option for the future!?

Rikshospitalet University Hospital, Oslo - Saturday 13th of August 2005

- [Home](#)
- [Programme](#)
- [Programme with abstracts](#)
- [Registration](#)
- [List of participants](#)
- [Travel information](#)

### Programme

09.00 - 10.00	Registration and payment for lunch Coffee
10.00 - 12.00	<p><b>Chair: Bruce Madge, IFLA Health and Biosciences libraries Section</b></p> <p>Fulfilling the Promise of Scholarly Communication: Can Open Access Deliver? - David C Prosser, SPARC Europe</p> <p>Archiving NIH Research Results in PubMed Central - Sheldon Kotzin, National Library of Medicine , U.S.A.</p> <p>The CERN publication policy and the measures taken - Jens Vigen, CERN Scientific Information Service, Switzerland</p> <p>Development of open archives in France : research institutions' policies. Herbert Gruttemeier, INIST-CNRS , France</p>
12.00 - 13.00	Light lunch
13.00 - 14.30	<p><b>Chair: Julia Gelfand, IFLA Science and Technology Libraries Section</b></p> <p>The technology is mature, is it our turn now? - Tony McSean, Library Relations, Elsevier.</p> <p>Oxford Journals Open Access experiments: an interim report - Richard Gedy, Oxford University Press.</p> <p>Opening a new trend in scholarly communication: Open Access and the role of libraries - Valentina Comba, University of Bologna - Italy.</p>