



# Open Access and Institutional Repositories: Overview on Developments and Activities in Germany and DINI's Impact

<http://www.dini.de>

# Preface

- Thank you for the invitation to ANKOS 2006 in Çanakkale!
- Best Regards from the President of Osnabrück University, which is a twinning university of COMU.





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# About DINI

Deutsche Initiative für NetzwerkInformation  
(German Initiative for Networked Information)

- Coalition of German higher education infrastructure- and service-institutions:
  - libraries
  - computing centres
  - media centres
  - scientists



# DINI's Primary Objectives

- What?
  - Creating recommendations for standardised and interoperable information services and communication networks in and between universities.
  - Finding structures and construction for networked digital publication possibilities.
  - Build awareness and political advocacy for an improved and advanced scientific oriented information infrastructure.
- How?
  - Transfer of ideas, knowledge, technologies and implementation of recent developments in Germany, e.g. OAI-PMH.
  - Intensify and initiate regional, nationwide and international collaboration.
  - Advice and recommendations for funding bodies, e.g. DFG
- Aim: Develop and support infrastructure



# DINI's Working Group on Electronic Publishing

- Active since start of DINI in 2000
- Members from German universities and higher education institutions
- Workshops
  - 2003: OAI tutorials (Berlin, Stuttgart)
  - 2004: Implementation of digital repositories (Frankfurt)
  - 2005: Open access symposium (Göttingen)
  - 2006: Institutional repositories and impact factors (Berlin)
- Certification of services
- Coaching & tutorials



# Motivation for a Certificate

- Since 1995 development of digital repositories in Germany
- 2003: Survey of German university repositories
  - Disappointing situation regarding the use of standards
- Key issues:
  - Document formats
  - Metadata: DC, ETD-MS, qualified DC (DL Meta, Xmetadiss)
  - Interfaces: promote OAi-PMH, web services
  - Subject cataloguing: MAB2, DDC
  - Visibility of repositories within universities



# DINI Certificate for Document- and Publication Repositories

- Certificate launched in 2003 by Electronic Publishing working group
- Introduced quality control for document- and publication repositories for the first time
- Defines a set of **minimum requirements** for a repository and its operator(s) mandatory for modern scholarly communication
- **Recommends** predictable developments that might turn into future requirements





# DINI Certificate 2006

1. Visibility & server policy
2. Author's support
3. Legal issues
4. Authenticity and data integrity
5. Indexing  
(subject indexing, metadata, interfaces)
6. visibility / impact /access statistics
7. Longterm availability

# Impact of DINI-Certification

- By 04/2006: 19 services of about 104 repositories in Germany certified
- Common issues
  - policy
  - persistent identifiers
  - documentation
- Certification as development of the service
  - common experience
  - coaching process including knowledge transfer
- Certification as marketing device
  - experiences range from very good results (e.g. Chemnitz) to no effect at all





# Open Access

- DINI certified repositories are intended to serve as a basis for implementing both approaches to Open Access:
  - The **'green'** road: Publishing articles in non-OA journals. IRs may publish post-prints (self archiving): “parallel publishing”
  - The **'golden'** road: Publishing articles in OA journals. IRs may collect metadata and link to the original article. GAP is building back office infrastructure for OA journals: “primary publication”
- In our vision, OA self-archiving and primary OA publishing are complementary and not contradict.
- DINI and GAP thus cooperate facilitating 'green' and 'gold' respectively.

# Certification and Open Access



- The DINI certificate guarantees that institutional repositories are
  - reliable and trustworthy,
  - sources of formally coherent content and metadata,
  - technically “open” in all respects,
  - embedded in a coherent institutional policy and workflow,
  - based on clear legal arrangements between institutions, content owners, and users.
- DINI evaluates repository implementations and assists other repositories to meet the certification criteria.



# Further DINI Open Access Activities

1. Constitute a core group aiming at an OA advocacy package
2. Technically: interoperate Open Access repositories
3. Steps to support green way
4. Develop methods, standards and infrastructure to measure impact factors of repository contents similar to journal contents on the base of internationally agreed standards and technology
5. Counselling on authors, librarians
6. Special focus on counselling university's management and funding bodies



# Further OA relevant Activities in Germany (in selection)

A whole bouquet of projects and activities, focussing on the diverse aspects of OA publishing is of relevance:

- GAP – German Academic Publishers
- nestor, kopal
- eSciDoc
- DiPP
- Living Reviews
- DissOnline
- Local activities
- ...



# Further OA relevant Activities in Germany

- GAP – German Academic Publishers
  - are building a cooperative network of independent publishing institutions and initiatives in academia.
  - Front offices are existing **OA publishing houses** (often also running IRs), the back office is run by the GAP Association.
    - Workflow management
    - Distributed Online Review
    - Document modelling
    - Author support
    - ...
  - Funded by DFG 12/2001 – 03/2006
  - [www.gap-portal.de](http://www.gap-portal.de)

# Further OA-relevant Activities in Germany



- nestor / kopal
  - nestor: building a network of expertise in **long-term storage of digital resources**.
  - Development of a guideline for development of a long-term preservation policy for digital content.
  - kopal: Co-operative Development of a **Long-Term Digital Information Archive**.
  - Funded by BMBF
    - nestor: 2003 – 2006
    - kopal: 2004 - 2007
  - [www.langzeitarchivierung.de](http://www.langzeitarchivierung.de), [kopal.langzeitarchivierung.de](http://kopal.langzeitarchivierung.de)





# Further OA relevant Activities in Germany

- eSciDoc

<b>MPG Knowledge Space</b> <i>Knowledge Organization, Searching, Linking, Visualization, Personalization, Recommendation, Collaboration</i>			
<b>Scholarly Workbench</b>	<b>Publication Management</b>	<b>eLib</b>	<b>eLab Journal</b>
<b>Vision</b>			
New ways of scholarly work	Integrated Self-Archiving and Open Access Licensing	Build-up of a high quality local data collection	Computer enabled scientific documentation

- Aim: realize a platform for communication and publication in scientific research organisations
- Joint project of Max-Planck-Society and FIZ Karlsruhe
- Funded by BMBF 2005 - 2009
- [www.escidoc-project.de](http://www.escidoc-project.de)

# Further OA relevant Activities in Germany



- DiPP – Digital Peer Publishing

- Goals:

- improve use, impact and visibility of scientific and scholarly information through consequent application of open web-technologies

- support versatile content provision through advanced publication methods for media and data

- more intelligible and transparent research through comprehensive representation of research processes

- master publishing through digital practice

- Initiated by the Ministry of Research of the German state North-Rhine Westphalia since 2004

# Further OA relevant Activities in Germany



  
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www.livingreviews.org



# Local OA Activities

- Many activities on the local scale in implementing OA
  - OA-Policies
    - HU Berlin: [http://edoc.hu-berlin.de/e\\_info/oa-erklaerung.php](http://edoc.hu-berlin.de/e_info/oa-erklaerung.php)
    - Bielefeld: <http://www.uni-bielefeld.de/ub/wp/bielefeld.htm>
    - etc.
  - DINI Certificates
    - Universität Kassel: KOBRA - Kasseler Online Bibliothek, Repository und Archiv
    - Universität Bielefeld: BieSON - Bielefelder Server für Online-Publikationen
    - Technische Universität Hamburg-Harburg: TUBdok
    - Staats- und Universitätsbibliothek Bremen: Elektronische Bibliothek der Staats- und Universitätsbibliothek
    - Universität Ulm: Volltextserver der Universität Ulm (VTS)
    - Georg-August-Universität Göttingen: Webdoc-Server
    - Hochschule für bildende Künste Hamburg: ask23, Archivsystem des Labor: Kunst & Wissenschaft der H
    - Universität Heidelberg, Pädagogische Hochschule Heidelberg: HeiDok
    - SLUB Dresden / TU Dresden: HSSS Hochschulschriftenserver
    - Universitätsbibliothek Mannheim: MADOC - Mannheim Electronic DOCUMENT Server der UB Mannheim
    - Johannes Gutenberg Universität Mainz: ArchiMeD - Hochschulpublikations-Server der Universität Mainz
    - Universitätsbibliothek Hohenheim: OPUS Hohenheim
    - Psychologische Institute, Lehrstühle und Forschungseinrichtungen bundesweit: PsyDok - Volltextserver
    - Universität des Saarlandes: SciDok - Der Wissenschafts-Server der Universität des Saarlandes
    - Universität Stuttgart: OPUS - Online Publikationsverbund der Universität Stuttgart
    - Universitätsbibliothek Tübingen: TOBIAS-lib
    - Humboldt-Universität zu Berlin: Dokumenten- und Publikationsserver der Humboldt-Universität zu Berlin
    - Universität Duisburg-Essen, Campus Duisburg: Duisburger Elektronische Texte (DuetT)
    - Technische Universität Chemnitz: MONARCH (Multimedia ONLINE ARchiv CHemnitz)



## Role of DINI

- Build an open core of the network
- Motivation of the management
- Coaching of the developers
- Standardisation of the interfaces
- Networking
  - Exchange of practical experiences
  - Initiate and continue discussion with funding organisations
  - Knowledge exchange with international experts



## Gaps

- OA Services Board
  - Comprehensive access to all institutional repositories
  - Implemented advanced services
    - Print on demand
    - Retrieval
    - Subject browsing
    - Reference linking
    - Impact statistics
- Self-Archived material
  - Surveys found, that currently approx. 70% of the relevant learned OA publications are distributed on authors servers and are missing in IRs. How to harvest these low hanging fruits?



# Embedding

- Berlin Declaration on Open Access etc.
- Germany is a Federal State.
- DFG - German Research Foundation
  - Signed Berlin Declaration
  - Funding of research projects on OA
- BMBF (Federal Ministry of Education and Research)
  - Funding of basic framework like long term preservation or GRID
- Standardisation
  - DINI members are actively involved in many international standardisation bodies like W3C, DC, etc.
- Copyright Law: [www.urheberrechtsbuendnis.de](http://www.urheberrechtsbuendnis.de)



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Pictures on slide 2 taken from [www.osnabrueck.de](http://www.osnabrueck.de)





# Thank You!

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Thank you for your kind audience!

