



## DINI – Certificate

# Document and Publication Repositories





## **DINI – Certificate**

# **Document and Publication Repositories**

### Outline:

1. Primary Objectives of DINI
2. Recommendations of Electronic Publishing
3. Motivation and Criteria for a Certificate



## Deutsche Initiative für NetzwerkInformation

***DINI***

(German Initiative for Networked Information)

Coalition of German Infrastructure- or Service-Institutions:

- Libraries
- Computing Centres
- Media Centres
- Learned Societies

# DINI - Primary Objectives

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- Initiation and intensification of regional, nationwide and international collaboration
- Creating recommendations for efficient information services and communication networks in and between universities
- Structuring and construction of networked digital publication possibilities
- Development of archiving services
- Dissemination of good experiences (best practices)

# DINI - Major Topics

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- Information management in universities
- Multimedia applications  
(production, development of tools, used for distance education, ...)
- Network-based education  
(infrastructure for distance education, ...)
- Questions of law  
( copyright, authenticity, ...)
- Common accounting and services  
( identification, access-rights, ...)
- Recommendations and standards for electronic publishing  
(archiving, data structure, OAi-specification, ...)



## „Electronic Publishing in Higher Education“

- Recommendations -

1. “New culture” of electronic publishing
2. Principles
3. Recommendations to universities
4. Recommendations to the learned societies
5. Additional examples

<http://www.dini.de/documents/DINI-EPUB-2002-03-10-E-V2.pdf>

# Recommendations of DINI (2)

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## General rules

1. Compliance with national and international rules and standards
  - Open Archives Initiative
  - Dublin Core Metadata Element Set
2. Avoidance of proprietary file formats
  - Using of SGML and XML should be the aim of long term activities
3. Protection of authenticity and integrity
  - Saving the documents by time stamps and methods of digital signature
  - Establish a policy for document and publishing server
4. Archiving and long term availability
  - Recommendation for hardware, software und orgware rules

# Recommendations of DINI (3)

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## Recommendations to the universities

### 1. Organizational foundations

- Publishing policy for the whole university (university press)
- Policy for a document and publishing server

### 2. Legal Basics

- Saving intellectual properties
- Agreements between authors and university press

### 3. Financial and staff efforts

- Costs for equipments
- Costs for staff

### 4. Further education

- For authors
- For staff



# Motivation for a Certificate

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## Results of the Survey

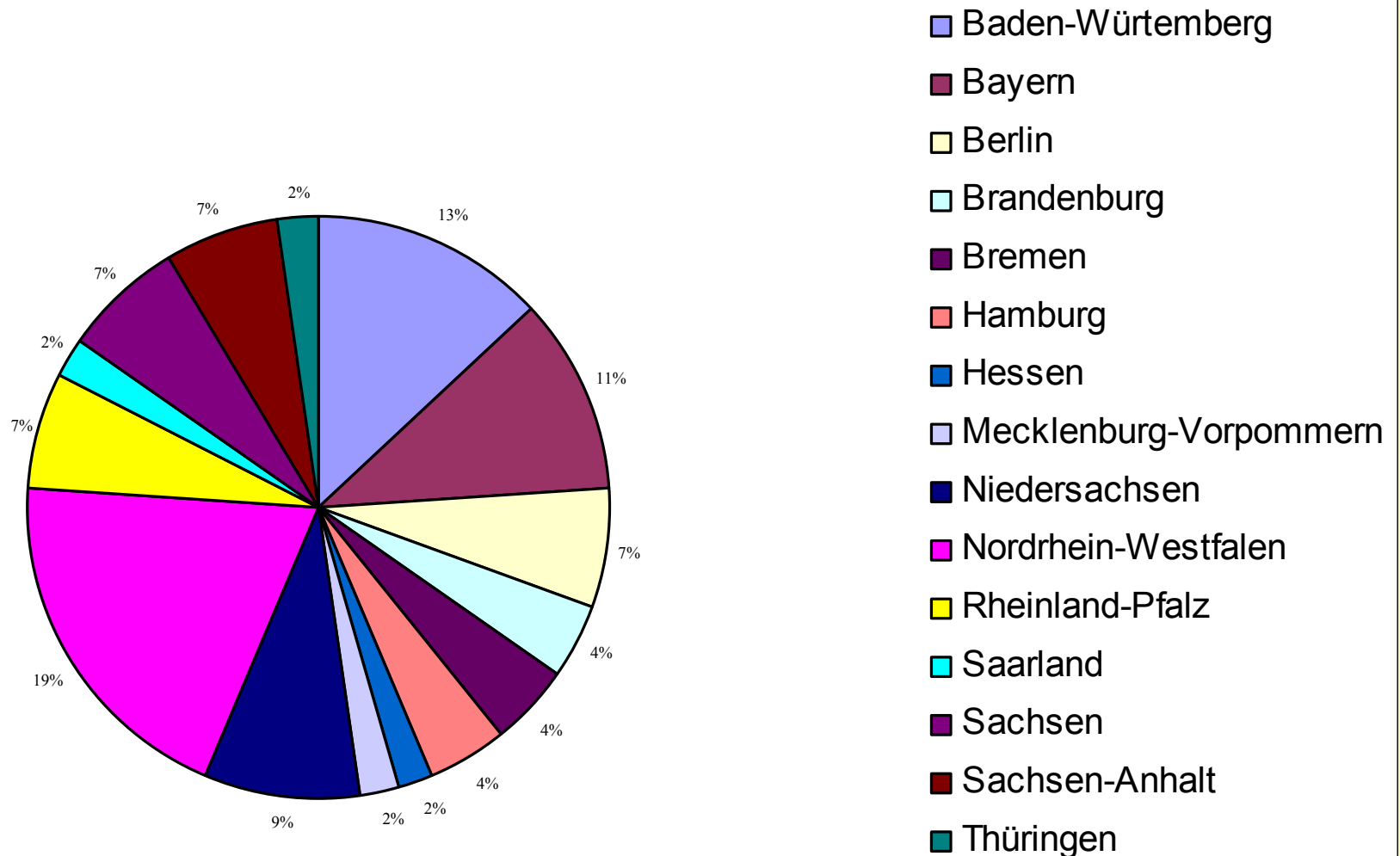
- Answers from 47 universities inside Germany
- Kinds of documents  
(theses and dissertations, monographs, journals, preprints, papers, teaching materials, historical digitalized materials, ...)
- Only 40 % are working based on a policy
- File formats
- Kinds of interfaces
- Kinds of services



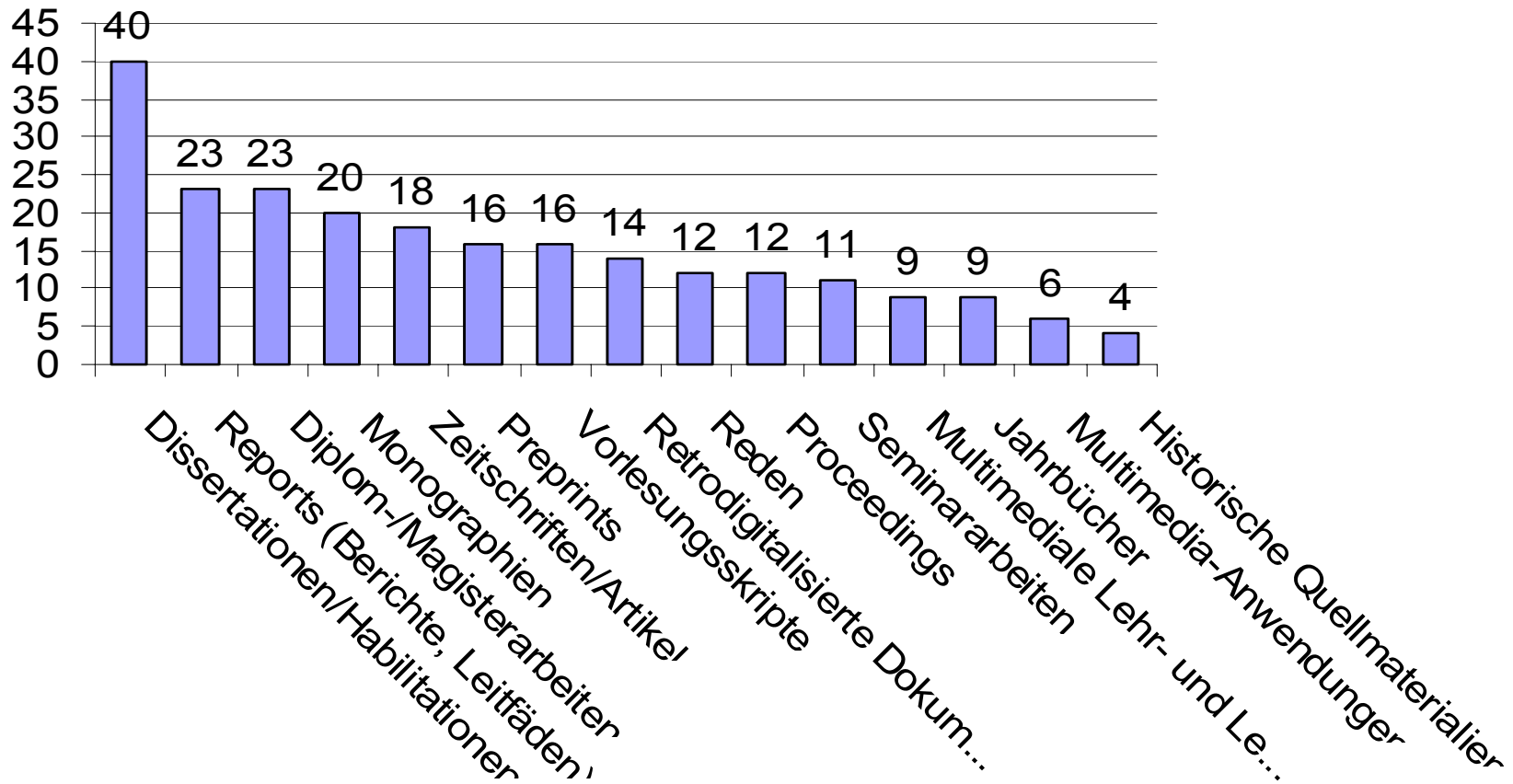
# Hochschulschriftenserver



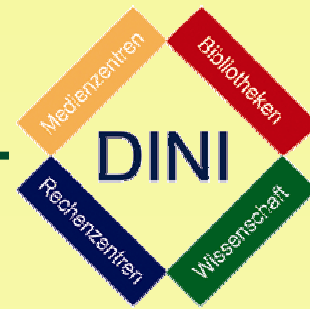
## Verteilung von Dokumentenserver auf Bundesländer in Prozent



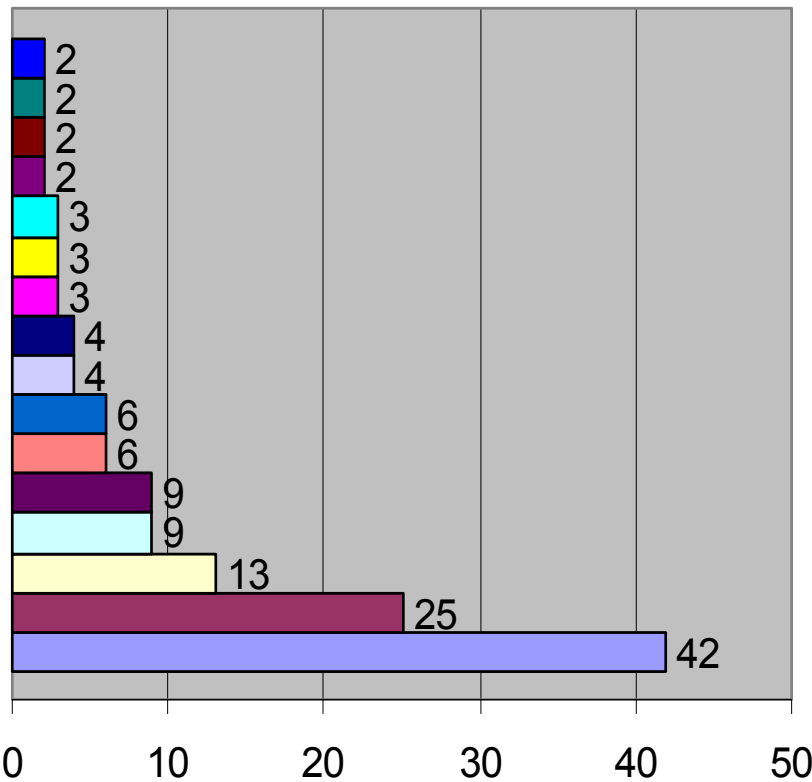
## Welche Art von Dokumenten bieten Sie auf dem Server an?



# University Repositories



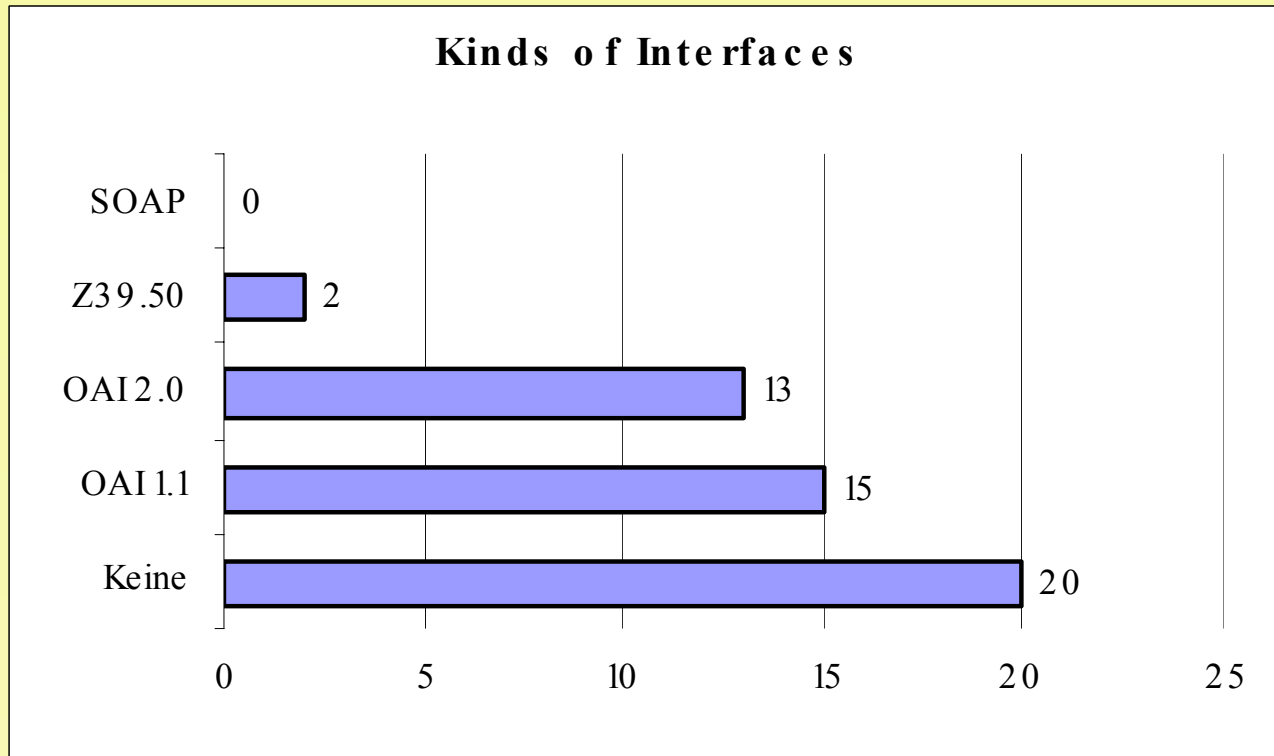
In welchem Format bieten Sie die digitalen Dokumente an?



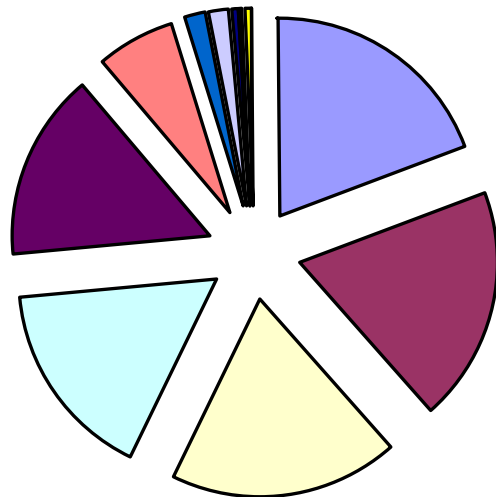
- als gedruckte Kopie
- Quicktime
- LaTeX
- SGML
- AVI
- WAV
- XML
- Real Audio
- MP3
- Textverarbeitung (RTF, Worddatei)
- MPEG
- Archive (ZIP)
- Real Video
- Postscript
- HTML
- PDF



# University Repositories



## Kinds of Services



- Betrachten der Dokumente
- Download der Dokumente
- Suche in lokalen Dokumentenbeständen
- Browsen über Datenbestände
- Ausdruck der Dokumente
- Suche in verteilten Dokumentenbeständen
- Print-on-Demand
- Auslieferung auf CD-ROM
- Externe Dokumentenlieferdienste (z. B. Subito)
- Katalogisierung im Verbund
- Preview
- Interner Dokumentenlieferdienst



1. Policy
2. Author Support
3. Legal Aspects
4. Authenticity and Integrity
5. Indexing
  - Subject indexing
  - Export of Metadata
  - Interfaces
6. Logs and Statistics
7. Long-term Availability



## 1. Policy

- **statements to content and functional and technical quality**
- **A guarantee to archive for defined time**
- **definition of services that the operator of the document repository offers to authors and editors**





1. Policy

## 2. Author support

### Minimum standard

- Offer consultancy services and support via web pages; e-mail, telephone
- Support of the entire publication process

### DINI-recommendations:

- Curriculum of courses
- Specialized courses on “ structured writing” for authors



1. Policy
2. Author Support
- 3. Legal Aspects**

**The operator of the repository must be permitted:**

- **to publish the uploaded document onto the repository**
- **to forward the document to an archiving institution**
- **to alter the documents technically to secure long-term availability**
- **...**



1. Policy
2. Author Support
3. Legal Aspects
- 4. Authenticity and Integrity**

## **Minimum technical standards for servers**

- **Documentation of the technical system**
- **Back-up system to secure repository**
- **Technically controlled and verifiable acceptance of documents**

## **DINI-recommendations**

- **SSL certification**



1. Policy
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- 4. Authenticity and Integrity**

## **Minimum standards for documents**

- **Persistent Identifier**
- **A document with altered content must be treated as a new document**
- **Archiving of authors uploaded file in their original format**

## **DINI-recommendations**

- **Advanced digital signature**



1. Policy
2. Author Support
3. Legal Aspects
4. Authenticity and Integrity
- 5. Indexing / Subject indexing**
  - Minimum standards
    - Availability of a defined policy for indexing
    - Verbal indexing with keywords or classificatory indexing
  - DINI-OAI-recommendations
    - At least one additional standardized system
    - Keywords in English
    - Abstracts in German and English



1. Policy
2. Author Support
3. Legal Aspects
4. Authenticity and Integrity
- 5. Indexing / Export of Metadata**
  - **Minimum standards**
    - **Metadata are available for free**
    - **Unqualified Dublin Core**
  - **DINI-recommendations**
    - **Qualified Dublin Core**
    - **Technical and/or archival metadata**
    - **...**



1. Policy
2. Author Support
3. Legal Aspects
4. Authenticity and Integrity
5. **Indexing / Interfaces**
  - **Minimum standards**
    - **User interface to the web repository**
    - **OAI PMH 2.0**
  - **DINI-recommendations**
    - **Expansion to allow for exchange of complex metadata schemata**
    - **Web-service interface (e.g. SOAP)**
    - **Z 39.50**



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1. Policy
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- 7. Long-term Availability**

# DINI-Certificate / Evaluation



- Proposal by Web-questionnaire
- Evaluation of minimum standards by two experts
- Legitimacy to use the DINI-certificate-logo
- A fee is charged

	Nonprofit	Profit – Organisation
DINI-Member	50,00 €	150,00 €
Non-Member	100,00 €	250,00 €

# DINI-Certificate

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## Electronic Publishing in Higher Education Recommendations

<http://www.dini.de/documents/DINI-EPUB-2002-03-10-E-V2.pdf>

## DINI-Certificate

[http://www.dini.de/zertifikat/dini\\_certificate.pdf](http://www.dini.de/zertifikat/dini_certificate.pdf)

## Questions:

- ***DINI-office***, located at University-Library of Goettingen  
[gs@dini.de](mailto:gs@dini.de)
- ***Dr. Peter Schirnbacher***,  
Computer- and Mediaservice of Humboldt University Berlin  
[schirnbacher@cms.hu-berlin.de](mailto:schirnbacher@cms.hu-berlin.de)