

Professional Long-term Preservation of Digital Resources in Germany

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The Challenge: Long-term Preservation
Strategies and Practice of European Partnerships
Frankfurt am Main, 20. und 21. April 2007

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Creation, collection, supply of digital contents

- Electronic academic scripts
- Open Access
- E-publication of publisher
- E-Government
- Digitalisation
- Electronic depositary copy

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Political responsibilities

- **Federation:**

Federal Government Commissioner for Culture and the Media (BKM)

Federal Ministry for education and research (BMBWF)

- **Federal states' authorities:**

Ministries of the federal states for science and art

- **Local authorities**

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Trustworthy repositories and archives

- Criteria for publication server of the Deutsche Initiative für Netzwerkinformationen (DINI)
- Criteria of trustworthy archives (RLG, nestor, European working groups)
- Structure of first servers and systems, e.g. kopal, BABS, Edoc-Server of the Humboldt-Universität in Berlin

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kopal - cooperative structure of long-term archives of digital information (1)

- Prototypical implementation of a scalable depot system for digital documents
- employment of initial stages (OAIS model, technical metadata, LTP-concepts)
- extension by cooperative use by several partners
- development of a universal object format

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kopal - cooperative structure of long-term archives of digital information (2)

- Development of a generic Open-Source-Software-Library for the import/export of archive objects (koLibRI 0.7)
- productive ingest of data → since summer 2006
- completion and transition in the controlled operation → at the summer 2007

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Citation and addressability of digital contents

- Uniformly resource name (URN), cooperative assignment, administration and resolving by the German national library
- Digital Object Identifier (DOI), central assignment, administration and resolving by marketing and publishing house service of the book trade (MVB)

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Meta data standardisation

- Dublin Core, Competence center interoperable meta data (KIM)
- ONIX
- LMER, PREMIS

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Important: Training and further training

- nestor - specialized meetings are target group oriented or arranged according to topical questions
- nestor - training courses according to the model of the DELOS summer-schools
- intensive co-operation between nestor and the training facilities in Germany

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nestor – Network of Expertise in Long-Term Storage of Digital Resources

- Libraries (DNB, SuB, BSB)
- Computer centers/University (HU, FUH)
- Archives (BArch, LA BW, GDAB)
- Museums (SPK)
- Scientific Institutions (MPG, Fraunhofer Gesellschaft)

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nestor – the tasks

- to make expertise and information available
- to make co-operation possible
- to present models of procedures and best practises
- to establish standards
- to build awareness
- to transmit the aims of long-term preservation
- to prepare a long-lasting future organization

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nestor – working groups (1)

- WG trustworthy archives - certifying
- WG multimedia data
- WG standard for meta data, transfer of objects into digital Long-term preservation and object access
- WG scientific raw data
- WG cooperative long-term Preservation

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nestor – working groups (2)

- WG crosslinking Grid/e-science and Long-term Preservation
- national and international standardisation activities
- international cross-linking
- qualification activities in co-operation with universities

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Cooperation with European activities

- European projects (DELOS, DPE, Planets, Caspar, Alliance for the permanent Access to the records of Science)
- i2010 Digital Libraries
 - NRG, HLEG, competence centres
 - Structure of a national strategy in the context of i2010

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Thank you for your attention

Any questions?

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