

Libraries in partnership with research

E(nhanced)-research and the future role and tasks of research libraries

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Niedersächsische Staats- und Universitätsbibliothek Göttingen

Academica 2008

**4 November 2008,
Tartu University/Library**

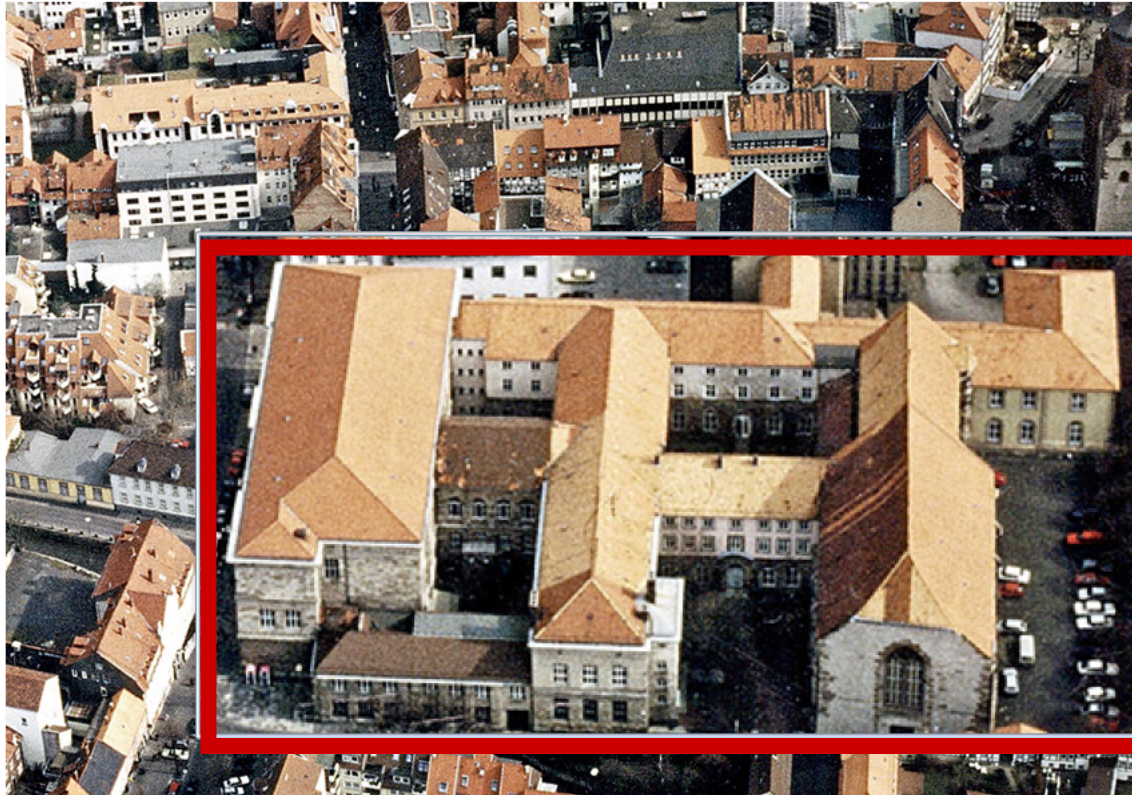


Topics

- Setting the Scene: e-Science/e-Research/e-Humanities and the need for new research infrastructures
- Digitisation for the Arts and Humanities: technology, collections and workflows
- Open access and Digital Repository Networks: a new digital research infrastructure
- Grid based research infrastructures and new tools
- The future role of research libraries
- Characteristics of future library services

Göttingen State and University Library of Lower Saxony

- 1734 founded
- Largest research library in the 18th century in Europe (“Library of the Enlightenment”)
- Historical “National Library” for the 18th century
- Among the 5 major research libraries in Germany
- More than 4,000 visitors (only in the central Campus library)
- Major Special Collections Library (16, like Pure Mathematics, Anglo-American History, Culture, Politics, Estonian Literature, Language and Ethnology, Hungary, Finland, Forestry, Astronomy, Astrophysics, Geophysics)
- One department: national digitisation centre (Göttinger Digitalisierungszentrum, GDZ)
- A leading Open Access Institution in Germany
- Nationally and internationally leading in developing digital services and information infrastructures (like Repository networks, Grid-tools for Humanities)



Photos: Ronald
Schmidt, Göttingen

**Niedersächsische Staats- und
Universitätsbibliothek,
Historische
Forschungsbibliothek**

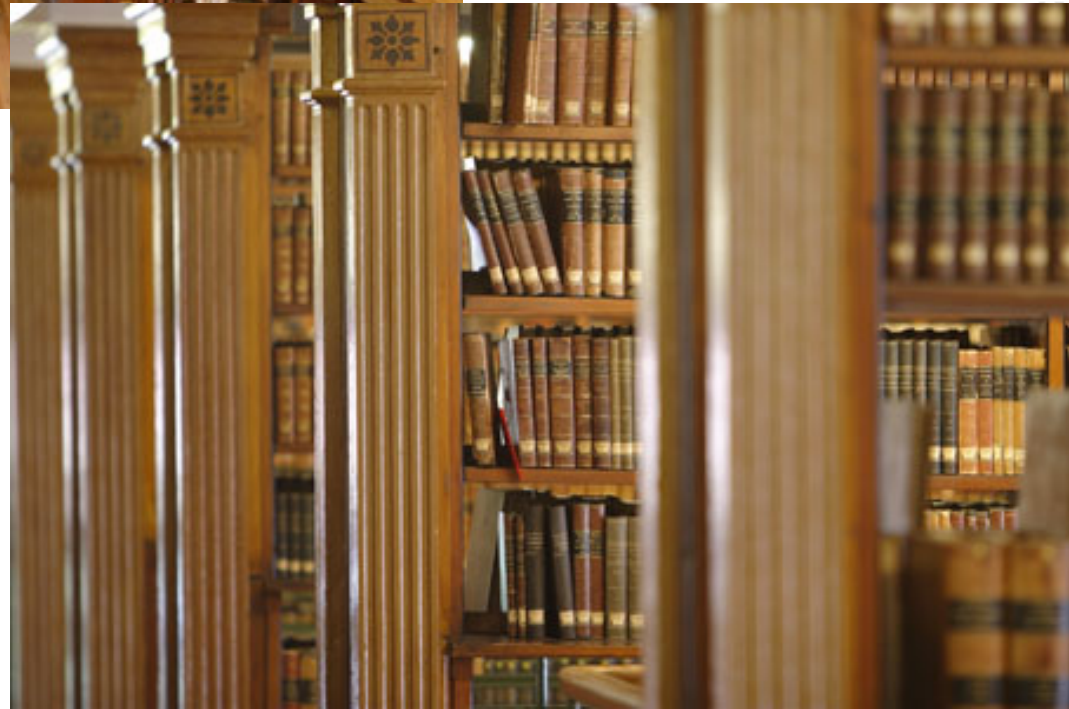




Heyne- Forschungs- leesaal, SUB Göttingen

Photos: Ronald
Schmidt, Göttingen

Lossau





Niedersächsische Staats- und Universitätsbibliothek, Zentrale Campus - Bibliothek

Photos: Ronald
Schmidt, Göttingen



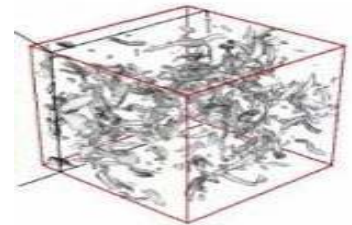
Lossau

Emergence of a New Science Paradigm

- Thousand years ago – **Experimental Science**
 - Description of natural phenomena
- Last few hundred years – **Theoretical Science**
 - Newton's Laws, Maxwell's Equations...
- Last few decades – **Computational Science**
 - Simulation of complex phenomena
- Today – **eScience or Data-centric Science**
 - Unify theory, experiment, and simulation
 - Using data exploration and data mining
 - Data captured by instruments
 - Data generated by simulations
 - Data generated by sensor networks
 - Scientist analyzes databases/files
 - Commercial and academic applications

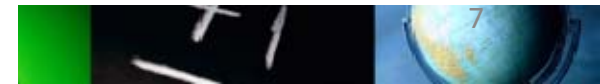


$$\left(\frac{\dot{a}}{a}\right)^2 = \frac{4\pi G\rho}{3} - K\frac{c^2}{a^2}$$



(With thanks to Jim Gray)

Acknowledgments go to
Tony Hey, VP Microsoft,
2007





e-Science

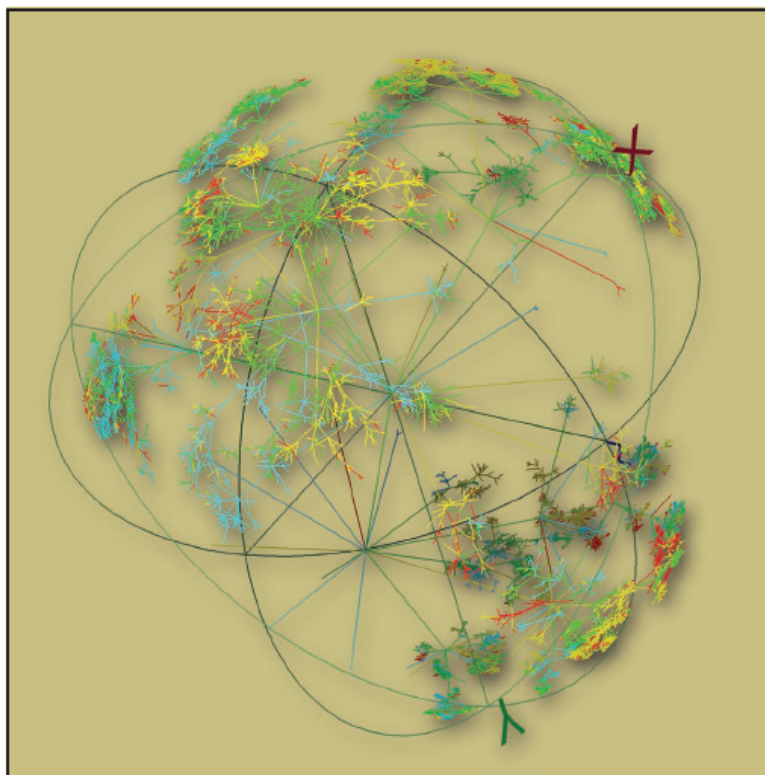
e-Science describes **new ways of performing research**, that are characterised by **collaborative, networked generation of knowledge, widespread scientific communication and shared use of physically distributed resources** and enabled through ICT-technologies

Knowledge is **not any longer only the knowledge of individuals** but **global, networked knowledge**

e-Science can be applied to **all disciplines (e-Research)**



CYBERINFRASTRUCTURE VISION FOR 21ST CENTURY DISCOVERY



National Science Foundation
Cyberinfrastructure Council
March 2007

International Virtual Observatory Alliance

www.ivoa.org



www.g-vo.org

From the presentation:

Data behind a Publication: an astronomer's view

Wolfgang Voges, Max Planck Institute for Extraterrestrial Physics with contributions from Carlson, Genzel, Hasinger, Lemson, Springel, Szalay

Golm, 30 March 2006



The Virtual Observatory

Astronomer

User Interface

There are 125 galaxies with the following coordinates. Thank you for using the VO today.

Find all old radio galaxies in the range of $0.4 < z < 0.7$ that lie within 2' of an extended x-ray source.

**Middleware Layer
"Virtual Telescope"**

Data Access Layer

Metadata Services

Archive Information Services

Compute Services
Metadata Services
Other Services

Archive Information Services

Compute Services
Metadata Services
Other Services

Telescopes

Simulations

Satellites

Antennas

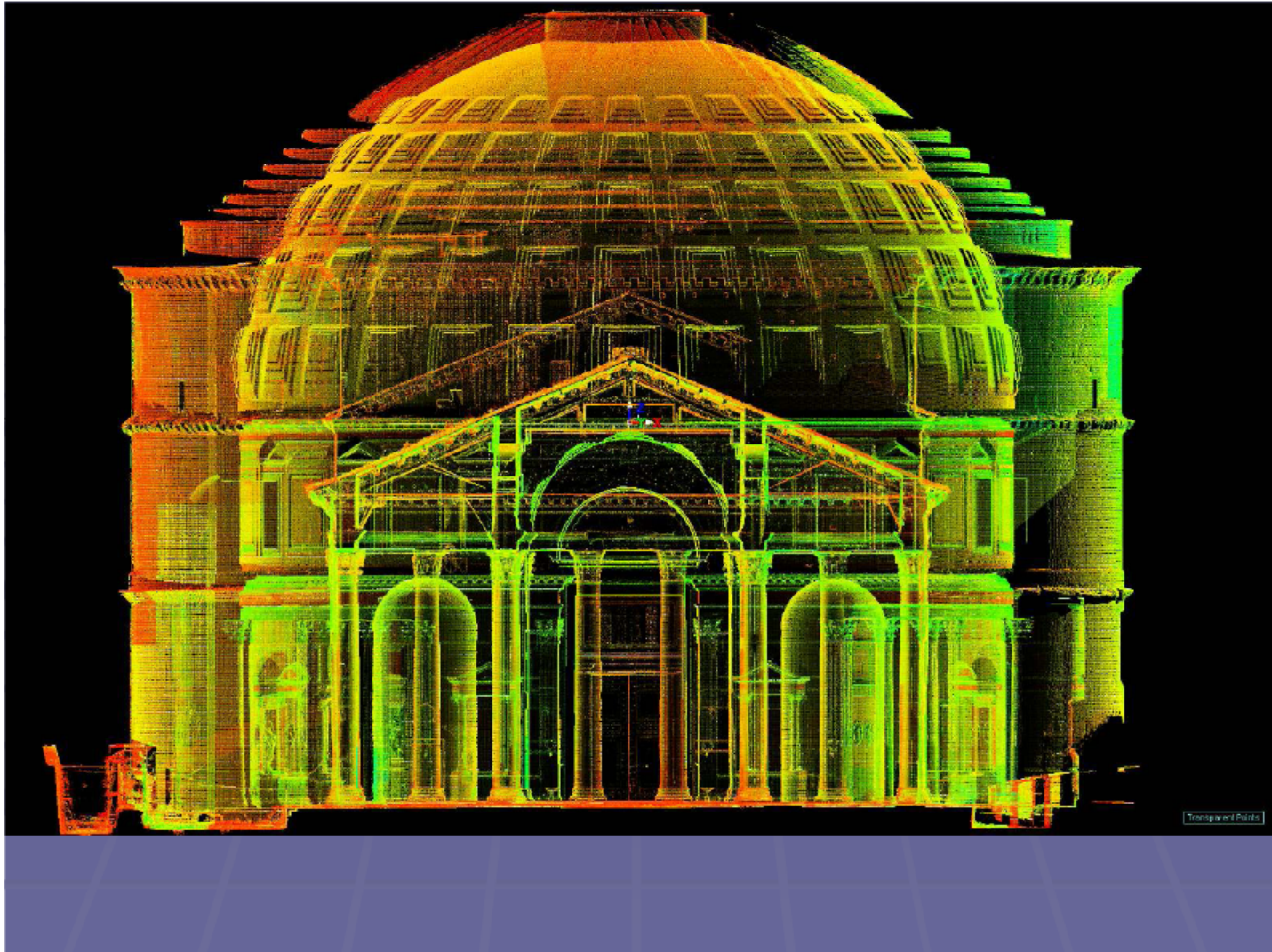
Data

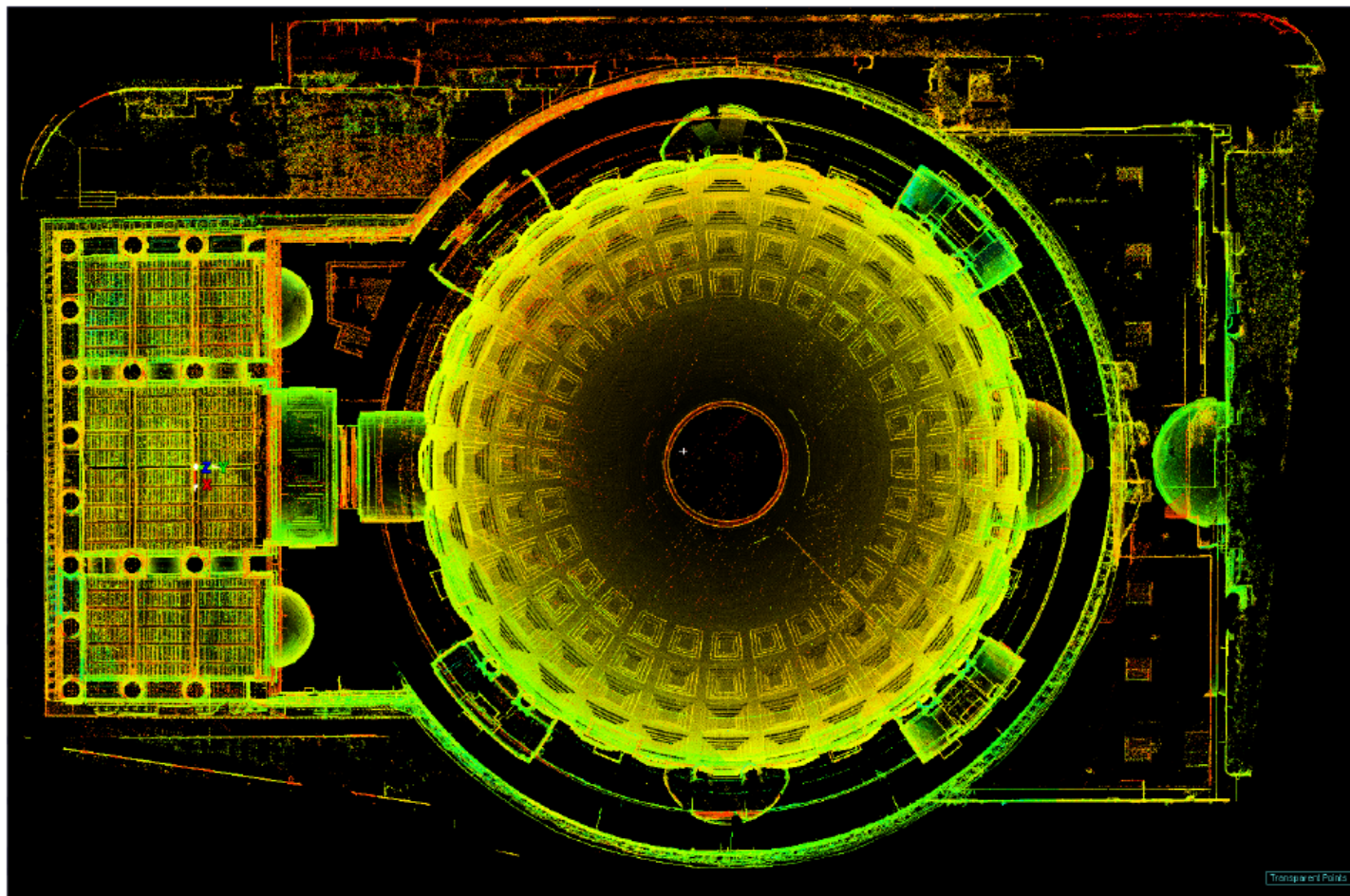
The Digital Pantheon Project, Bern, CH

<http://www.karmancenter.unibe.ch/pantheon>

- Cooperation of archeologists, mathematicians, art historians, computer scientists, science historians
- Goal: To carry out research about the Pantheon, collaboratively, using digital technologies and the World Wide Web
- One instrument (among others): Digital 3D Modell of the Pantheon, 540.000.000 points (9 GB data), created through laser scanning, comprises coordinates of all points and the colours of the surface







Lossau

Starting point for library activities

„What scientists/scholars really need ...“

- Comprehensive access to all relevant information sources, if possible from their desktops
- Access to specific editions of resources (e.g. Historians, Philologists)
- Intuitive tools and instruments (software services) to work with documents and data (analysis, annotation, filtering, sequencing)
- Quality, timely dissemination (publishing) of research results
- Long-term access to research results
- TIME to research!

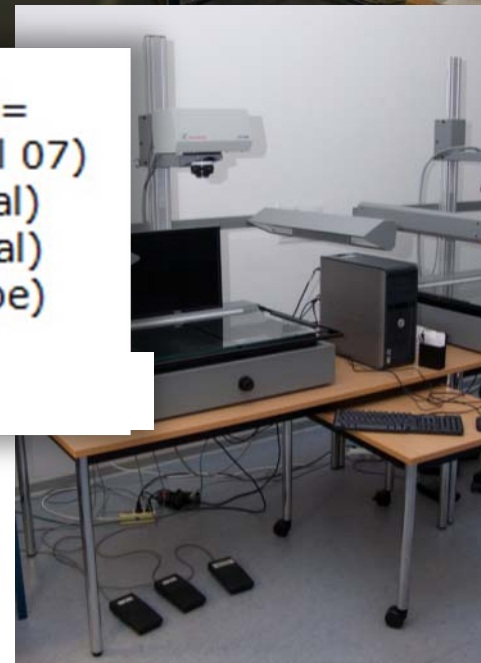
⇒ Roles of (research) libraries

1. Guarantee open access to scientific information
2. Secure scholarly and cultural heritage and make it worldwide accessible
3. Organise, structure and network knowledge on the web
4. Secure long-term access to knowledge, incl. digital resources
5. Act as „trendscouts“ and build up competence centres for research information infrastructures

The Göttingen Digitisation Centre (GDZ)



3 Tischscanner (A2, 300ppi Farbe=
1 Scanroboter (A3, 300ppi, ab Jul 07)
1 Buchscanner (A3, 600ppi bitonal)
2 Tischscanner (A3, 600ppi bitonal)
1 Kartenscanner (A0, 600ppi Farbe)
1 Grazer Buchwinne
Plus 1 Treventus Scan-Roboter



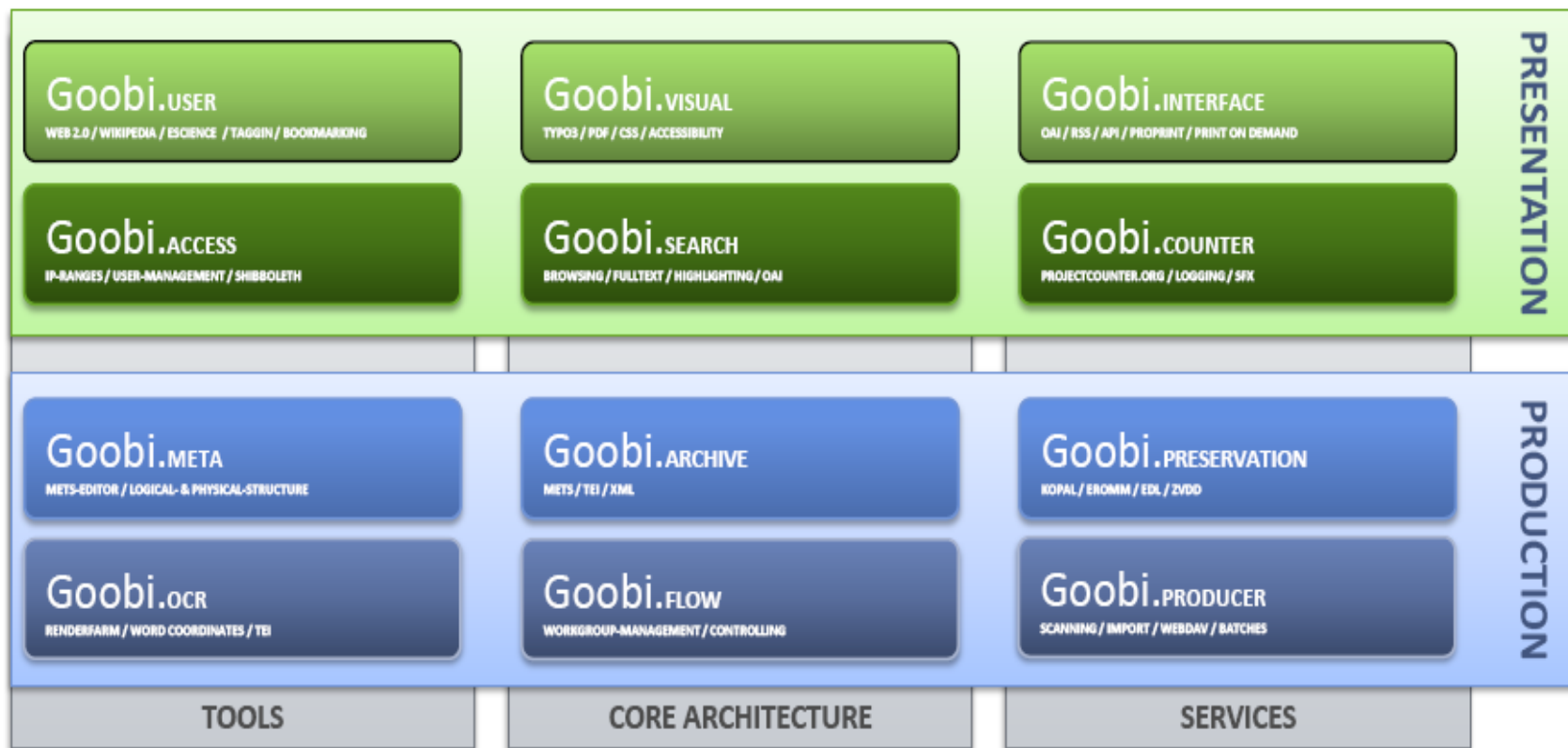
Efficient workflow: the basis of mass digitisation



- Initial Development of SUB Göttingen, now partnership with the SLUB Dresden
- More than 25 libraries want to re-use GOOBI, incl. Staatsbibliothek Berlin
- Technical information
 - Web based
 - Written in Java
 - Unicode encoding
 - Open source
 - Reusable for several scientific-workflow scenarios
 - METS based internal metadata schema (configurable)



Modular architecture of GOOBI



Why METS?

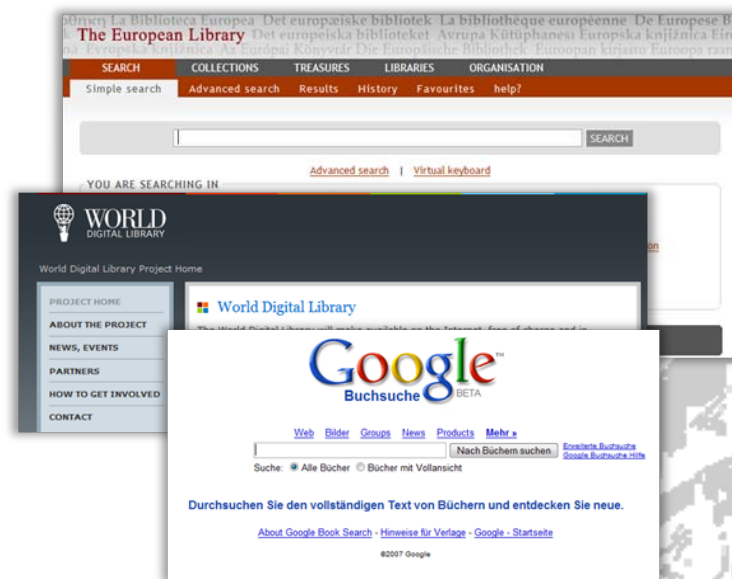
The new paradigm: connecting content

Past



Project Websites
Repositories

Present



Portal Websites
Federated Search

Work flow status of every volume

Current steps
 Search for volume
 > **Current processes**
 Process templates

- Administration -
 User
 User groups
 Administration tasks

- User data -
 Change password

Process title (volume) ▼▲

[-] algeilo_0001_1962

Number	Title	Status
1	Application for a licence	■
2	inventory of the printed version	■
3	ZDB entry	■
4	library entry for the local OPAC	■
5	standardisation of the journal title	■
6	process creation (on the volume level)	■
7	creation of the Tiff-Header	■
8	scanning of the images	■
9	quality control	■
10	image post-processing	■
11	completeness check of the Zentralblatt data on the article level	■
12	import of the Zentralblatt metadata	■
13	check and revision of the bibliographic data by the tool	■
14	import of the Russian metadata	■
15	processing of bibliographic metadata on the article level	■
16	capture of the structure data (pagination recording, additional capture of missing structure data, creation of the metadata structure)	■
17	revision import Zentralblatt	■
18	final checking on the volume level and metadata release	■
19	automatic generation of the SICI	■
20	data export	■
21	import into local DMS or repositories	■
22	acknowledgement of the PURL	■

[+] algeilo_0002_1963
 [+] algeilo_0003_1964



Exporting METS

Management

Current processes

Hits: 240

Process title	Action
ansacast_PPN519	METS XML
apiacosc_PPN51	METS XML
behrgene_PPN51	METS XML
berncata_PPN521	METS XML
bileneu_PPN5185	METS XML
blanlexi_PPN5191	METS XML
blumdeut_PPN52	METS XML
bonanach_PPN51	METS XML
bosecomm_PPN5	METS XML
bosmdis_PPN517	METS XML
bothzuve_PPN52	METS XML
bronuebe_PPN51	METS XML
campwoer_PPN51	METS XML
caruresu_PPN517	METS XML
cataunhoe_PPN5201072_1001_mhenders	METS XML

Document model with two structures

Link to several files

```

<METS:div TYPE="page" ID="phys0002" DMDID="dmdphys0002">
  <METS:fptr FILEID="bitonal0001"/>
  <METS:fptr FILEID="hires0001"/>
</METS:div>
  
```

Link to page area

```


<METS:div TYPE="column" ID="phys0003" DMDID="dmdphys0002">
  <METS:fptr>
    <METS:area FILEID="bitonal00000001"
      COORDS="40x40x150x250"/>
  </METS:fptr>
</METS:div>
  
```



Integrated image viewer (AJAX driven)

Back | 1 | ... | 7 | 8 | 9 | 10 | 11 | ... | 200 | Forward

130% OCR Link image:



35. Fuggerhäuser, Maximilianstrasse 36-38, Augsburg, 1512-15; east front as before 1944

as noted, cannot establish how accomplished he may have been at Renaissance design in the relevant years 1509 and 1510. The recumbent figure of St. Alexis, carved in wood at Schloss Erbach near Ulm in Württemberg and signed and dated "M(Meister) B(astian?) Loscher, Bildhauer dieses Bildwerk, A. 1513" actually recalls more the Late Gothic aspects of Burgkmair's style. Yet there is no Gothic architectural detail on this monument and the handsome inscription, indicating the Rehlings of Augsburg as the donors, is in Roman capital: DI. ALEXIO. ROM. SACR. ROECHLINGERI. PATRICII. AUGUSTANI. RESTITVERVNT. The lettering somewhat resembles — though it does not equal in Classical authority — Hermann II Vischer's inscription of 1510 on the bronze tomb-relief of Fryderyk Cardinal Jagiello in Kraków Cathedral.

Loscher's tomb of Ambrosius Worsing, who died in 1515, in the parish church at Bolzano suggests, both by its location in what is today the Italian Tyrol and in the character of its frame of panelled pilasters and correctly proportioned entablature, that by the time it was executed Loscher had already been in Italy. This might have been while the Fuggerkapelle was in construction, though not probably before it was designed and begun. The considerably later Rosary Altar of 1521–22¹⁸, in St. Rochus in Nürnberg, on which Loscher is believed to have collaborated again with Adolf Dauder, has similar elements. By the standard of the Fuggerkapelle, however, the design is less plausibly Italianate. Its fussy elaboration recalls a little Ferrucci's altar at Esztergom of 1519 (fig. 27). Like the Worsing tomb-slab, that displays the special sort of assimilation and modulation of arbitrarily borrowed elements of Italian architectural detail — notably, on the Nürnberg altar the fluted lunettes over the outer niches — which is even more evident in Düser's Tri-

¹⁸ Reclams Kunstführer [1], Bayern, 69th ed. [Stuttgart, 1966] 439.

5

OCR integration

Back | 1 | ... | 3 | 4 | 5 | ... | 200 | Forward

50% OCR Link image:

Ergebnis:

Meinungen / Opinions

Saalman, Howard: Towards the History of Architectural Technology.....
 Symeonoglu, Sarantis: Thebes, Greece. An archaeological and sociologica
 Aufsätze / Articles

Trust Building.....163
 Bentmann, Reiner und Müller, Michael: Zitate aus der Villenliteratur
 des 14., 15. und 16. Jahrhunderts.....167
 Hitchcock, Henry Russell: The Beginnings of the Renaissance in Germany,
 Kerber, Bernhard: Ein Kirchenprojekt des Andrea Pozzo als Vorstufe für
 Maas, John: Memorial Hall 1876.....127
 Müller, Werner: Die Lehbogenkonstruktion in den Proberissen der Augsbu
 aus den Jahren 1553-1723 und die gleichzeitige französische Theorie....
 Pedretti, Carlo: Leonardo Architetto a Imola.....92
 Richardson, Douglas Scott: Hyperborean gothic; or, wilderness Ecclesiol
 and the wood Churches of Edward Medley.....48
 Wurster, Wolf gang W.: Tilipulo, eine Bauanlage des kolonialen Barock
 im Hochland von Ekuador.....106
 Buchbesprechungen / Book-Reviews
 Büttner, Frank: Wolfram Prinz. Die Entstehung der Galerie in Frankreich
 Muthesius, Stefan: Robert Macleod. Style and Society;
 architectural Ideologie in Britain 1835-1914.....19z

Inhalt/Contents

Meinungen / Opinions

Saalman, Howard: Towards the History of Architectural Technology 1
 Symeonoglu, Sarantis: Thebes, Greece. An archaeological and sociological Problem 81

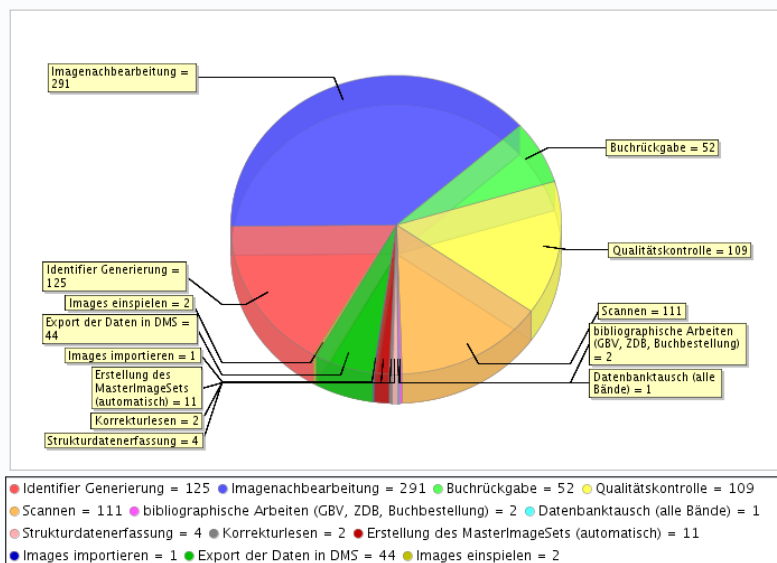
Aufsätze / Articles

Andrew, David S.: Adler and Sullivan's „other“ skyscraper in St. Louis: The unclaimed Union

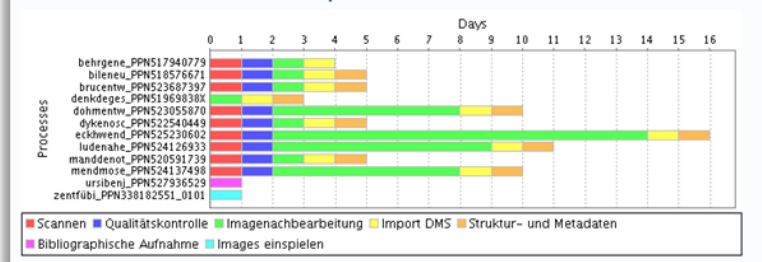


Statistics and controlling

Statistical evaluation: Status of volumes



Statistical evaluation: Duration of the steps



Hits: 779

Process title (volume)	Status
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arch_PPN522561411_0003	
arch_PPN522561411_0004	
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arch_PPN522561411_0018	
arch_PPN522561411_0019	
arch_PPN522561411_0020	

Presentation layer: TYPO 3 / Lucene

Customizable design and features

The screenshot displays the GDZ website interface with the following elements:

- Navigation Bar:** Includes 'Suche', 'Browsen', 'Zeitschriften', 'Open Access', 'FAQ', and a language selector (UK).
- Left Sidebar:** Contains a menu with 'Aktuell', 'Abonnenten', 'Partner', 'Subskription', 'Über uns', 'Downloads', 'Kontakt', 'Links', and 'Logout'. Below the menu is a photo of a library and a 'Logout' button.
- GDZ Logo:** Göttinger Digitalisierungszentrum.
- Search:** A 'Schnellsuche' search box.
- Willkommen...:** A welcome message in German, partially obscured by a semi-transparent box.
- Aktuell:** A section titled 'Neue GDZ-Homepage in der Testphase'.
- OLMS · WEIDMANN:** A banner for the publisher, 'HILDESHEIM · ZÜRICH · NEW YORK', featuring a portrait of a man.
- REPRINTS:** A section describing reprints of Georg Olms Verlag titles, including a list of collections:
 - Autobiographien (72 Werke)
 - DigiWunschbuch (849 Werke)
 - Itineraria (1200 Werke)
 - Karten (13 Werke)
 - Mathematika (3219 Werke)
 - Nord-Amerikana (548 Werke)
 - Sibirica (451 Werke)
 - Varia (546 Werke)
 - Wissenschaftsgeschichte (10 Werke)
 - Zoologica (438 Werke)
- AUTOREN:** A section for authors, featuring a portrait of two men and a link to 'Überblick'.
- PROGRAMM:** A list of subjects and their corresponding number of works:
 - Altertumswissenschaft (14 Werke)
 - Buchkundliche Arbeiten (3 Werke)
 - Deutsche Literaturklassiker (138 Werke)
 - Esperanto (1 Werke)
 - Frauenliteratur (6 Werke)
 - Frühe Frauenliteratur in Deutschland (6 Werke)
 - Germanistik (143 Werke)
 - Humanismus & Renaissance (5 Werke)
 - Judaica/Hebraica (2 Werke)
 - Jus/Jura & Politikwissenschaft & Wirtschaft & Soziologie (36 Werke)
 - Kunstgeschichte (2 Werke)
 - Literaturwissenschaft (89 Werke)
 - Medizingeschichte (5 Werke)
 - Mediävistik (2 Werke)
 - Philosophie (180 Werke)
- GDZ RSS-Feed:** A link to the RSS feed.
- Footer:** Includes 'www.olms.de' and a 'Startseite' button.

BIBFORGE

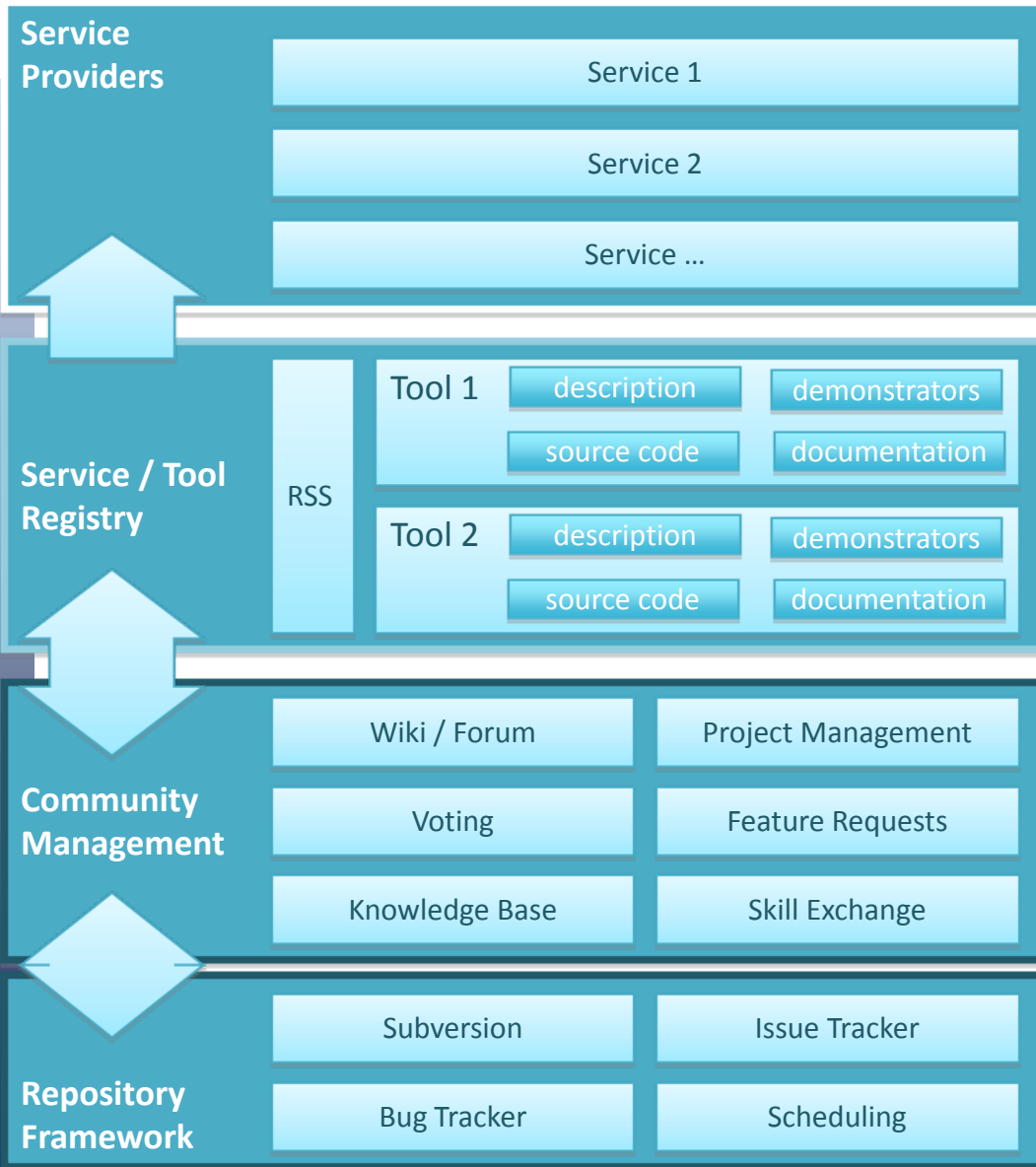
developing libraries

Lossau

Architecture

BIBFORGE
developinglibraries

GEORG-VERMÄCHTNISSCHAUUNGSGESÄT GÖUSEN



TYP03 


MediaWiki
Because ideas want to be free.

STUD.IP

 **WORDPRESS**

 **JIRA**

 **SUBVERSION**



Open access and Digital Repository Networks: a new digital research infrastructure

Free and unrestricted access to sciences and human knowledge representation worldwide, incl. cultural heritage

Berlin Declaration, Oct/2003

⇒ Requires an interoperable, trusted, long-term repository infrastructure

Selected Activities and Projects

Open Access

- German Information Plattform www.open-access.net (Production)
- OA at Universities: Repositories, University Press (D) (Production)
- OAPEN (EU) (Project)
- PEER (EU) (Project)

Open Access - Infrastructures

- DRIVER (EU) (Production und Project)
- OA-Netzwerk, OA-Statistik (DINI, D) (Projects)
- DARIAH (EU) (Projekt)



informationsplattform

Suche

ALLGEMEINES

Was bedeutet Open Access?
Gründe und Vorbehalte
Geschäftsmodelle
Rechtsfragen
FAQ

OA IN VERSCHIEDENEN FÄCHERN

bitte auswählen ▼

WISSENSWERTES FÜR

Autoren
Herausgeber von Zeitschriften
Betreiber von Repositorien
Hochschulleitungen
Bibliotheken
Förderorganisationen
Verlage

OA INFORMATIONEN DER

Fraunhofer-Gesellschaft
Helmholtz-Gemeinschaft
Max-Planck-Gesellschaft

AUSTAUSCH

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Mailingliste
News
Links
Kalender

[Home](#)

Willkommen auf der Informationsplattform open-access.net!

Die Informationsplattform open-access.net hat das Ziel, den steigenden Informationsbedarf zum Thema Open Access zu decken. Sie bündelt bislang verstreute Informationen und bereitet diese für verschiedene Zielgruppen und Szenarien spezifisch auf.

Da open-access.net sukzessive entlang der Rückmeldungen und Bedürfnisse der Nutzerinnen und Nutzer der Plattform weiterentwickelt werden soll, freuen wir uns über Kommentare und Ergänzungen. Zögern Sie daher nicht, uns eine [E-Mail](#) mit Ihren Fragen und Anregungen zu schicken!

Wir möchten Sie zudem einladen, sich in unserem Expertenforum (in Form einer moderierten Mailingliste) an den aktuellen Diskussionen zum Thema Open Access zu beteiligen!

[Anmeldung zur Mailingliste](#)

Am 9. und 10. Oktober 2008 informieren wir Sie anhand von Vorträgen und Workshops umfassend zum Thema Open Access auf den

[Open-Access-Tagen Berlin mit Open-Access-Messe.](#)

[Anmeldung ab sofort möglich](#)

Inhalte von open-access.net

[Was genau ist eigentlich Open Access?](#) Open Access steht für den unbeschränkten und kostenlosen Zugang zu wissenschaftlicher Information im Internet. Auf open-access.net finden Sie Informationen zu den

NEWS

33 Nobelpreisträger unterzeichnen offenen Brief zu Open Access
18.09.2008

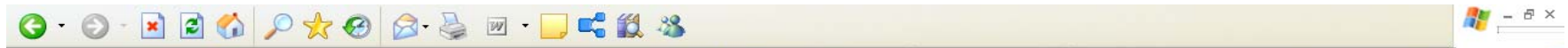
Fraunhofer-Gesellschaft beschließt Open-Access-Policy
16.09.2008

Film der Universität Zürich zu Open Access
15.09.2008

Open Access bei Bloomsbury Academic
11.09.2008

Podcast: Uncovering the social and economic benefits of Open Access
02.09.2008

 [RSS Feed](#)



informationsplattform

Suche

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bitte auswählen

bitte auswählen

Biologie

Chemie

Erziehungswissenschaften

Geowissenschaften

Geschichtswissenschaften

Informatik

Ingenieurwissenschaften

Mathematik

Medizin

Philologie

Philosophie

Physik

Psychologie

Sozialwissenschaften

Wirtschaftswissenschaften

Max-Planck-Gesellschaft

AUSTAUSCH

Die Informationsplattform
Informationsbedarf zu
bislang verstreute Info
Zielgruppen und Szenarien
form open-access.net!

Das Ziel, den steigenden
Lücken. Sie bündelt
se für verschiedene
Bedürfnisse der Nutzer
werden soll, freuen wir
daher nicht, uns eine

Wir möchten Sie zudem
einer moderierten Mail
Open Access zu betei
Anmeldung zur Mailing

Am 9. und 10. Oktober
Workshops umfassend
Messe.

Open-Access-Tagen

Anmeldung ab sofort
Open Access steht für den
wissenschaftlicher Information
Informationen zu den

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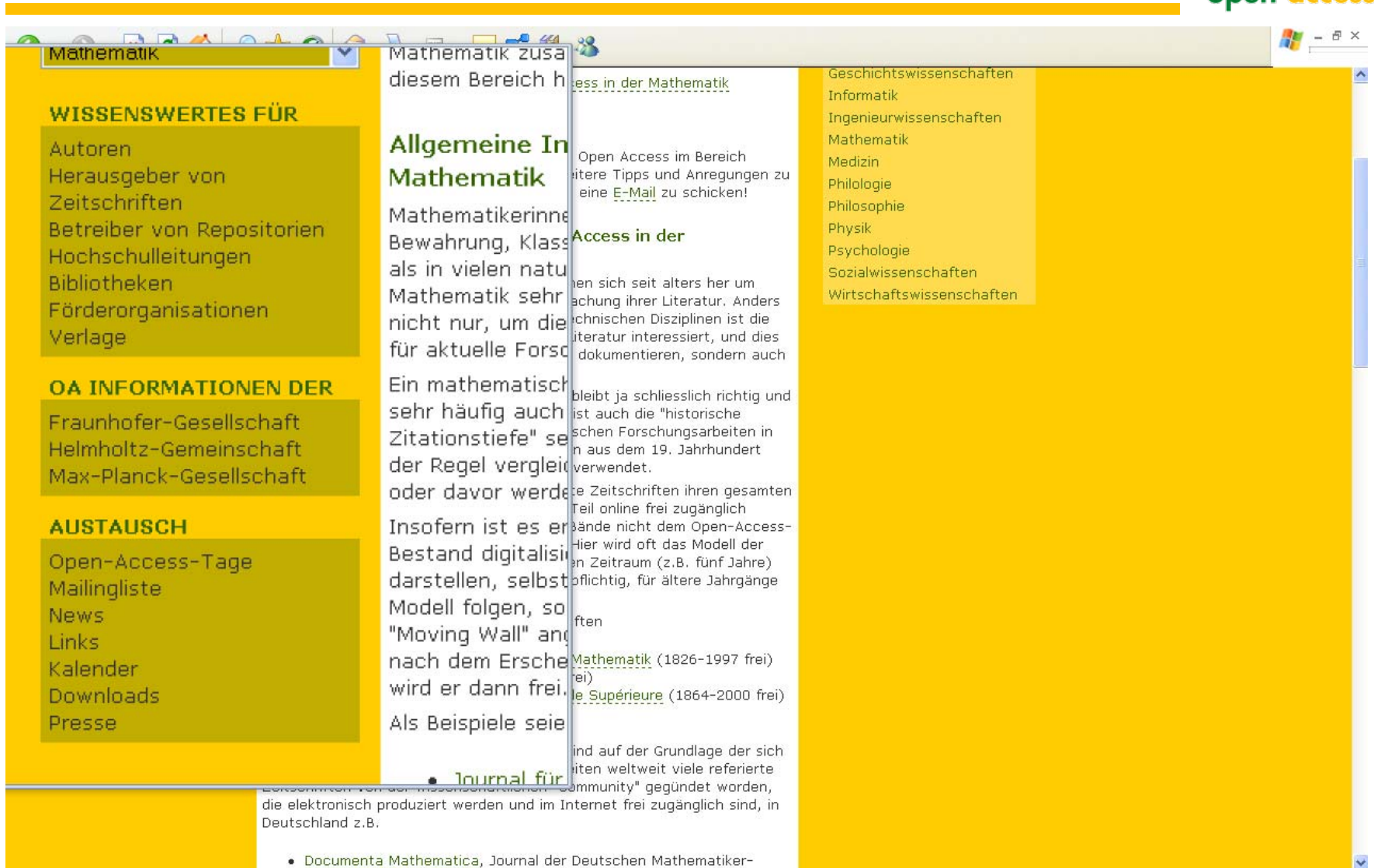
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11.09.2008

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social and economic benefits
of Open Access
02.09.2008

RSS Feed



Mathematik

WISSENSWERTES FÜR

- Autoren
- Herausgeber von Zeitschriften
- Betreiber von Repositorien
- Hochschulleitungen
- Bibliotheken
- Förderorganisationen
- Verlage

OA INFORMATIONEN DER

- Fraunhofer-Gesellschaft
- Helmholtz-Gemeinschaft
- Max-Planck-Gesellschaft

AUSTAUSCH

- Open-Access-Tage
- Mailingliste
- News
- Links
- Kalender
- Downloads
- Presse

Mathematik zusätzliche Informationen in diesem Bereich

Allgemeine Informationen zur Mathematik

Mathematikerinnen und Mathematiker sind in vielen naturwissenschaftlichen Disziplinen sehr aktiv und nicht nur, um die eigene Forschung für aktuelle Forschung zu dokumentieren, sondern auch um die historische Entwicklung der Disziplin zu dokumentieren. Ein mathematisches Werk bleibt ja schliesslich richtig und wird auch die "historische Zitationstiefe" seiner Forschungsarbeiten in der Regel verglichen oder davor verwendet. Insofern ist es erforderlich, den Bestand digitalisiert darzustellen, selbst wenn das Modell der "Moving Wall" angewendet wird er dann frei zugänglich ist. Als Beispiele seien folgende Zeitschriften genannt:

- [Journal für Mathematik](#) (1826-1997 frei)
- [Journal für die Naturwissenschaften](#) (1826-1997 frei)
- [Revue de Mathématiques](#) (1864-2000 frei)

Die Zeitschriften sind auf der Grundlage der sich seitens der Autoren weltweit viele referierte "Open Access Community" gegründet worden, die elektronisch produziert werden und im Internet frei zugänglich sind, in Deutschland z.B.

- [Documenta Mathematica](#), Journal der Deutschen Mathematiker-

Access in der

- Geschichtswissenschaften
- Informatik
- Ingenieurwissenschaften
- Mathematik
- Medizin
- Philologie
- Philosophie
- Physik
- Psychologie
- Sozialwissenschaften
- Wirtschaftswissenschaften

Informationsplattform Open Access: Startseite - Microsoft Internet Explorer

Adresse <http://www.open-access.net/>

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Access-Zeitschriften und Repositorien, die Ursprünge der Open-Access-Bewegung, Geschäftsmodelle oder Rechtsfragen.

Open Access ist ein sehr aktuelles und zukunftsweisendes Thema, das weltweit große Unterstützung findet. Gründe für Open Access sind unter anderem die erhöhte Sichtbarkeit und damit die erhöhte Wirksamkeit wissenschaftlicher Texte. Dagegen stehen aber auch die häufig geäußerten Vorbehalte gegen Open Access z.B. bezüglich der Flüchtigkeit und mangelnden Auffindbarkeit digitaler Daten.

Die Informationsplattform bietet die Möglichkeit für einen thematischen, fachspezifischen und einen rollenspezifischen (z.B. Autor/in oder Gründer/in einer Zeitschrift) Einstieg in das Thema Open Access. Zudem gibt es die Möglichkeit, im Bereich Praktische Umsetzung (FAQ) durch die thematische und rollenspezifische Suche schnell Antworten und Hilfestellungen auf konkrete Fragen zu erhalten.

Die Fraunhofer-Gesellschaft, die Helmholtz-Gemeinschaft und die Max-Planck-Gesellschaft bieten in speziellen Bereichen auf open-access.net



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Open Access

Unter Open Access versteht man das Bestreben, wissenschaftliche Literatur mit Einverständnis der Autoren und der jeweiligen Verlage kostenfrei und dauerhaft im Internet bereitzustellen, damit Interessierte die Volltexte lesen, herunterladen, verteilen, drucken und kopieren können. Für die Nutzenden sollte es keine finanziellen, rechtlichen oder technischen Barrieren außer einem Internet-Zugang geben. Die Autorinnen und Autoren behalten die Kontrolle über ihre wissenschaftliche Arbeit und haben das Recht, dass ihre Publikation angemessen anerkannt und zitiert wird. Nachweislich erhöht eine Open Access Bereitstellung in den meisten Fachbereichen die Zitationsraten. Der Open Access Gedanke wird weltweit von wissenschaftlichen Förderorganisationen, Hochschulen, Fachgesellschaften, nichtkommerziellen sowie kommerziellen Verlagen und vor allem von vielen wissenschaftlichen Autorinnen und Autoren getragen.

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Die Niedersächsische Staats- und Universitätsbibliothek (SUB) hat Vereinbarungen mit den folgenden Verlagen/Zeitschriften getroffen, bei denen Sie Ihre Artikel Open Access veröffentlichen können:

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- ▶ New Journal of Physics
- ▶ Springer SBM (in Vorbereitung)
- ▶ Copernicus (in Vorbereitung)

Außerdem finden Sie im Directory of Open Access Journals eine umfassende Liste von circa 3.000 OA-Zeitschriften. Die SUB wird in der Zukunft weitere bedarfsorientierte Vereinbarungen abschließen. Publikationen in den etablierten Verlagen Ihres Faches dürfen in vielen Fällen (Auskunft gibt die SHERPA/RoMEO-Liste) parallel auf dem Dokumentenserver der Hochschule bereitgestellt werden.

Im Universitätsverlag Göttingen können seit 2003 Bücher und Zeitschriften Open Access publiziert und bei Bedarf mit hochwertigen Druckausgaben ergänzt werden.

Was kostet mich die Open Access Publikation?

Die oben genannten Vereinbarungen mit Verlagen und Zeitschriften ermöglichen Göttinger Wissenschaftlern eine Publikation ohne Belastung des eigenen Budgets. Zur Unterstützung der Finanzierung des Gesamtprojekts wird erwartet, dass beauftragte Publikationsbibliotheken aus Drittmitteln die

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Details

Universitätsverlag
Library Sciences
Greenberg, Jane and Wolfgang Klas (Ed.)
Metadata for Semantic and Social Applications
Proceedings of the International Conference on Dublin Core and Metadata Applications, 22-26 September 2008
Metadata is a key aspect of our evolving infrastructure for information management, social computing, and scientific collaboration. DC-2008 will focus on metadata challenges, solutions, and innovation in initiatives and activities underlying semantic and social applications. Metadata is part of the fabric of social computing, which includes the use of wikis, blogs, and tagging for collaboration and participation. Metadata also underlies the development of semantic applications, and the Semantic Web — the representation and integration of multimedia knowledge structures on the basis of semantic models. These two trends flow together in applications such as Wikipedia, where authors collectively create structured information that can be extracted and used to enhance access to and use of information sources. Recent discussion has focused on how existing bibliographic standards can be expressed as Semantic Web vocabularies to facilitate the ingration of library and cultural heritage data with other types of data. Harnessing the efforts of content providers and end-users to link, tag, edit, and describe their information in interoperable ways ("participatory metadata") is a key step towards providing knowledge environments that are scalable, self-correcting, and evolvable. DC-2008 will explore conceptual and practical issues in the development and deployment of semantic and social applications to meet the needs of specific communities of practice.



Verzeichnis
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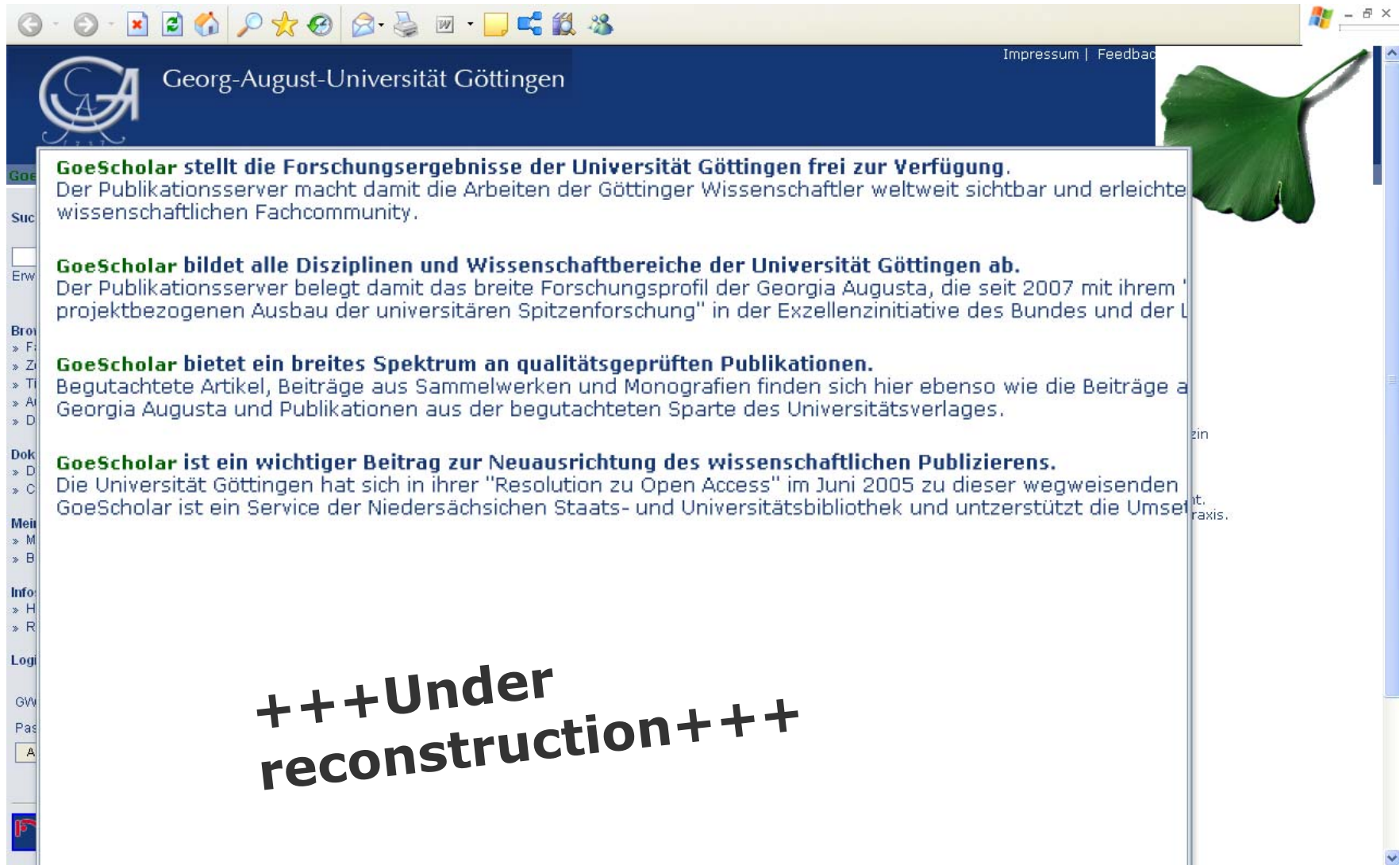
Neuerscheinungen:

Greenberg, Jane and Wolfgang Klas (Ed.)
Metadata for Semantic and Social Applications



Papke, Renate

GoeScholar – The institutional repository of Göttingen University

A screenshot of the GoeScholar website interface. The browser window shows the Georg-August-Universität Göttingen logo and navigation links. A large white box with a green border is overlaid on the page, containing four bullet points about GoeScholar. A green fan-shaped leaf is positioned to the right of the text box. At the bottom of the page, the text "+++ Under reconstruction +++" is written in a large, bold, black font.

Georg-August-Universität Göttingen

Impressum | Feedback

GoeScholar stellt die Forschungsergebnisse der Universität Göttingen frei zur Verfügung.
Der Publikationsserver macht damit die Arbeiten der Göttinger Wissenschaftler weltweit sichtbar und erleichtert den Zugang zur wissenschaftlichen Fachcommunity.

GoeScholar bildet alle Disziplinen und Wissenschaftsbereiche der Universität Göttingen ab.
Der Publikationsserver belegt damit das breite Forschungsprofil der Georgia Augusta, die seit 2007 mit ihrem "Projektbezogenen Ausbau der universitären Spitzenforschung" in der Exzellenzinitiative des Bundes und der Länder...

GoeScholar bietet ein breites Spektrum an qualitätsgeprüften Publikationen.
Begutachtete Artikel, Beiträge aus Sammelwerken und Monografien finden sich hier ebenso wie die Beiträge aus der Georgia Augusta und Publikationen aus der begutachteten Sparte des Universitätsverlages.

GoeScholar ist ein wichtiger Beitrag zur Neuausrichtung des wissenschaftlichen Publizierens.
Die Universität Göttingen hat sich in ihrer "Resolution zu Open Access" im Juni 2005 zu dieser wegweisenden Entscheidung verpflichtet. GoeScholar ist ein Service der Niedersächsischen Staats- und Universitätsbibliothek und unterstützt die Umsetzung der Open Access-Strategie.

+++ Under reconstruction +++

GoeScholar – The institutional repository of Göttingen University



Georg-August-Universität Göttingen



GoeScholar > Naturwissenschaften, Mathematik und Informatik >

Fakultät für Geowissenschaften und Geographie / Geowissenschaftliches Zentrum

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- » Georgia Augusta -Fakultät für Geowissenschaften und Geografie - 1
- » Monografien - Fakultät für Geowissenschaften und Geographie - 0
- » Postprints - Fakultät für Geowissenschaften und Geographie - 95
- » Sammelbände - Fakultät für Geowissenschaften und Geographie - 0

Aktuellste Veröffentlichungen

Die "Weichteilbelemniten" des Posidonienschiefers (Untertoarcium) von Holzmaden (Baden-Württemberg) sind Fälschungen

Morphologie einiger Süßwasserporifera (Baikalospongia bacillifera, Lubomirskia baicalensis, Swartschewskia papyracea) des Baikal-Sees (Sibirien, Rußland)

Carbonate mounds of Morocco ; IGCP 380 field workshop October 24 - November 1,1999

Histological investigations of organisms with hard skeletons ; a case study on siliceous sponges

Palaeobiological reconstructions of selected Spinctozoan Sponges from the Cassian Beds (Lower Carnian) of the Dolomites (Northern Italy)

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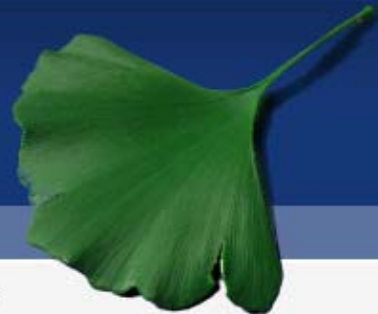


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Postprints - Fakultät für Geowissenschaften und Geographie (95 Dokumente)

Suche nach

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Dokumente nach: Titel, Autor oder Datum

◀ 1-20 von 95 ▶

- ♦ *Danišik, M.; Kuhlemann, J.; Dunkl, I.; Székely, B.; Frisch, W. (2007): Burial and exhumation of Corsica (France) in the light of fission track data. - *Tectonics*, 26, TC1001.*
» Titel in Google scholar
- ♦ *Kuo, J. L.; Kuhs, Werner F. (2006): A first Principles Study on the Structure of Ice-VI: Static, Distortion, Molecular Geometry and Proton Ordering. - *J. Phys. Chem. B*, 110.*
» Titel in Google scholar
- ♦ *Quast, Andres; Hoefs, Jochen; Paul, Josef (2006): Pedogenic carbonates as a proxy for palaeo-CO2 in the Palaeozoic atmosphere. - *Palaeogeogr., Palaeoclimatol., Palaeoecol.* 1-2.*
» Titel in Google scholar
- ♦ *Reitner, Joachim (2005): Calcifying extracellular mucus substances (EMS) of *Madrepora oculata*; a first geobiological approach. - in: *Cold-water corals and ecosystems, 2005*, 731-744.*



Zusammenfassung:

The Mesozoic and Cenozoic exhumation and cooling history of Corsica is reconstructed by fission track (FT) data on basement and sedimentary rocks. Apatite ages are 105–16 Ma; zircon ages are 160–145 Ma. The Jurassic and Cretaceous ages show that parts of the Variscan basement escaped Alpine influence. The basement was thermally affected by rifting prior to Jurassic opening of the Ligurian-Piedmont Ocean; then it cooled to near-surface temperatures. In Paleocene-Eocene times, subduction buried parts of the basement and overlying flysch to greater depth. In the Oligocene, both collapse of the nappe stack and rifting prior to opening of the Ligurian-Provenc. al Basin affected the

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47 Treffer(n)

- ♦ [Tschinkel, Yuri](#); [Manin, Yu. I.](#) (1993): Points of bounded height on Del Pezzo surfaces. - in: *Compositio mathematica*, Vol. 85.1993, 3, p. 315-332.
» [Titel in Google scholar](#)
- ♦ [Tschinkel, Yuri](#); [Batyrev, Victor V.](#) (1995): Rational points of bounded height on compactifications of anisotropic tori. - in: *International mathematics research notices*, 1995, 12, p. 591-635.
» [Titel in Google scholar](#)
- ♦ [Tschinkel, Yuri](#); [Batyrev, V. V.](#) (1995): Rational points on toric varieties. - in: *@Number theory*, 1995, p. 39-48.
» [Titel in Google scholar](#)
- ♦ [Tschinkel, Yuri](#); [Batyrev, Victor V.](#) (1996): Rational points on some Fano cubic bundles. - in: *Académie des Sciences*, Vol. 323.1996, 1, p. 41-46.
» [Titel in Google scholar](#)
- ♦ [Tschinkel, Yuri](#); [Batyrev, Victor V.](#) (1996): Height zeta functions of toric varieties. - in: *Journal of mathematical sciences*, Vol. 82.1996, 1, p. 3220-3239.
» [Titel in Google scholar](#)
- ♦ [Tschinkel, Yuri](#); [Strauch, Matthias](#) (1997): Height zeta functions of twisted products. - in: *Mathematical research letters*, Vol. 4.1997, p. 273-282.
» [Titel in Google scholar](#)
- ♦ [Tschinkel, Yuri](#) (1997): Height zeta functions.
» [Titel in Google scholar](#)
- ♦ [Batyrev, Victor V.](#); [Tschinkel, Yuri](#) (1998): Manin's conjecture for toric varieties. - in: *Journal of algebraic geometry*, Vol. 7.1998, 1, p. 15-54.
» [Titel in Google scholar](#)
- ♦ [Bogomolov, F. A.](#); [Tschinkel, Yuri](#) (1998): Density of rational points on Enriques surfaces. - in: *Mathematical research letters*, Vol. 5.1998, p. 623-628.
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DRIVER's Vision

All research institutions in Europe and worldwide make all their research publications openly accessible through institutional repositories



General Information: DRIVER II

- Duration: 24 months
- Budget: 2.7 m EUR
- Timeplan: 12/'07 -11/'09
- Main Deliverables:
 - Digital Repository Infrastructure
 - European Digital Repository Confederation
- Funded by the European Commission, “Research Infrastructure” Unit, FP 7
- Consortium Partners
 - Univ.of Athens (GR)
 - Univ. of Bielefeld (GE)
 - CNR-ISTI (IT)
 - STICHTING SURF (NL)
 - Univ. of Nottingham (UK)
- cont...
 - Univ. of Bath (UK)
 - Univ. of Warszawski (PO)
 - Univ. of Gent (BE)
 - Univ. of Goettingen (GE)
 - Danish Technical University (DK)
 - Universidade do Minho (PT)
 - Narodna in univerzitetna knjižnica (SLO)

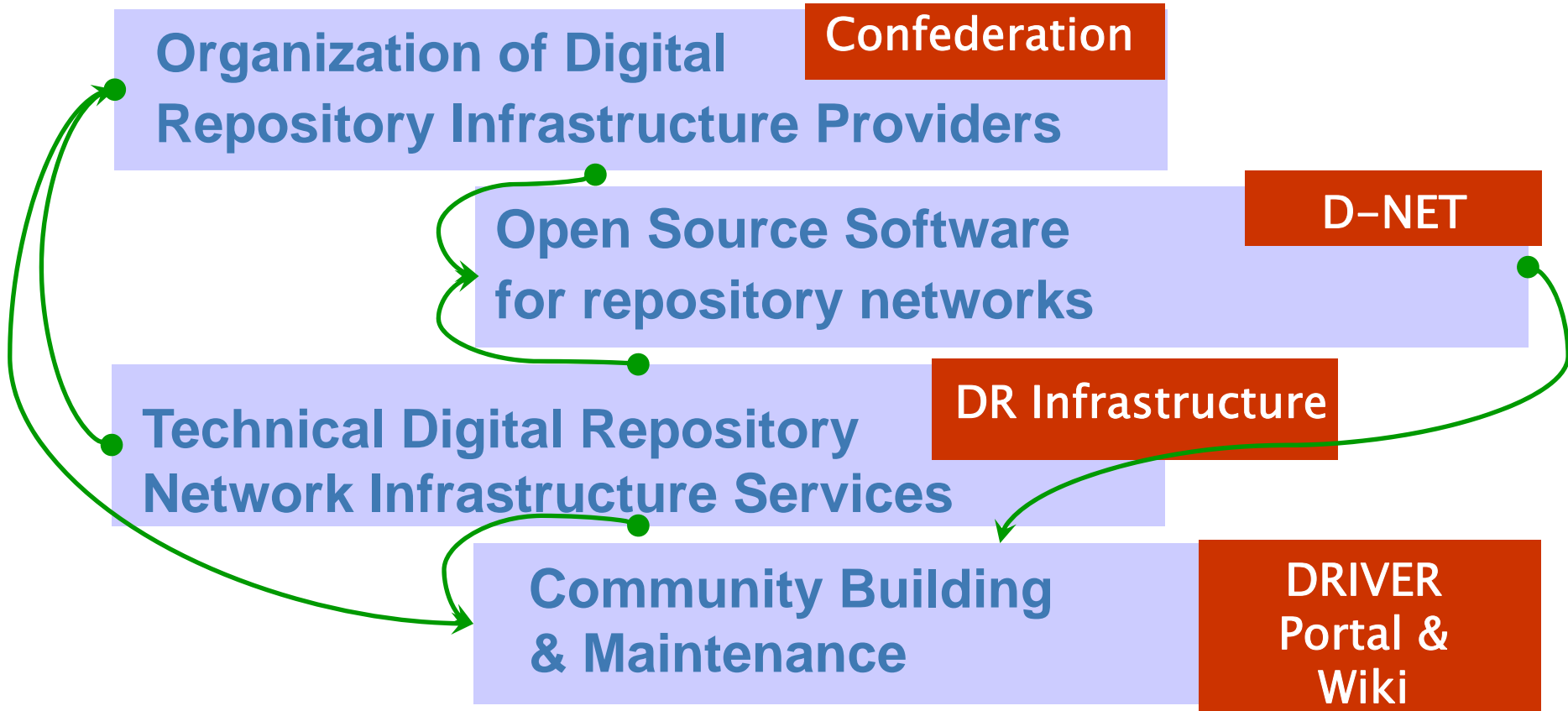


DRIVER History

- DRIVER (I), started 1 June 2006, ended 30 November 2007
- DRIVER II, started 1 December 2007, ends 30 November 2009
- Recent event: DRIVER Summit 16/17 January 2008, Göttingen



DRIVER II activity areas and outcomes



DIGITAL REPOSITORIES INFRASTRUCTURE VISION FOR EUROPEAN RESEARCH

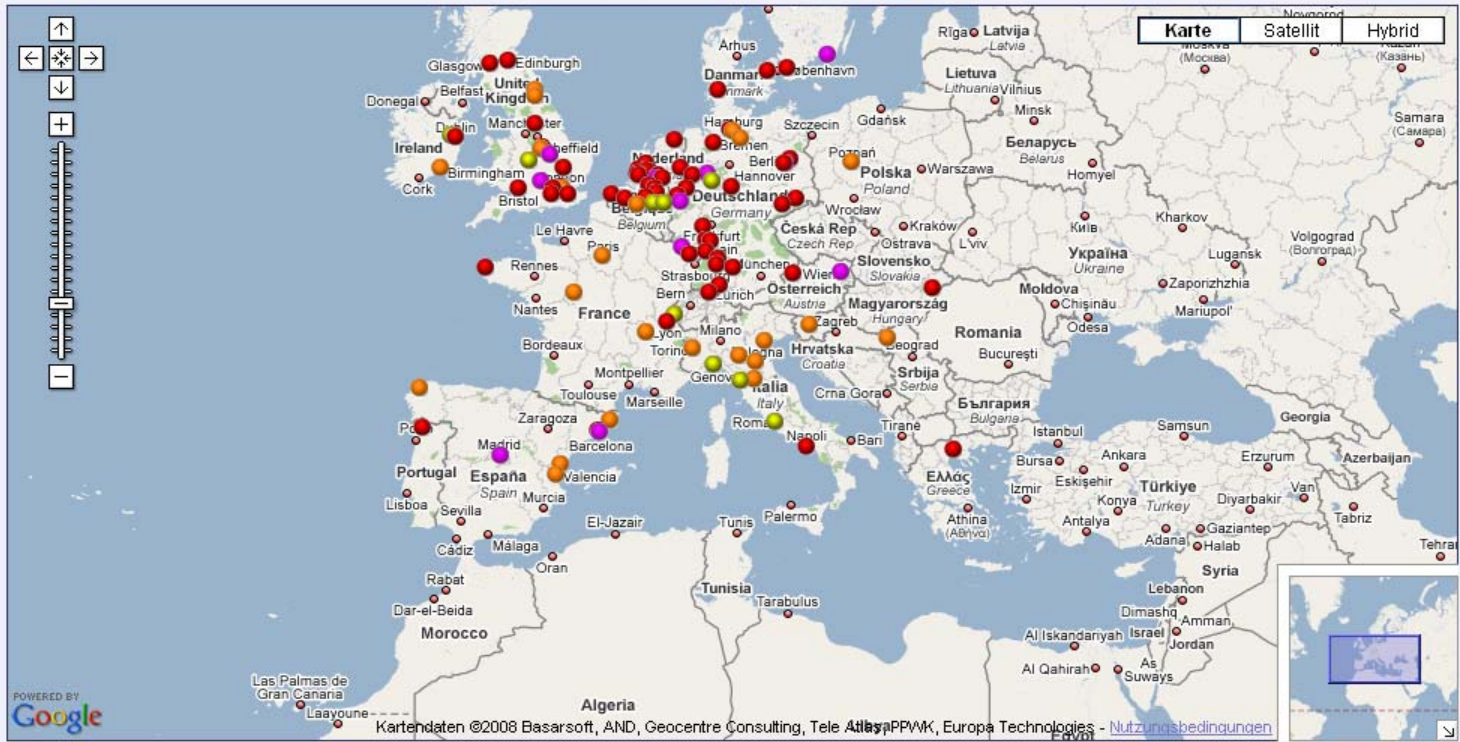


Home Repositories Network Collections

Show Map

Number of records: < 50 (green), 50 - 500 (orange), 500 - 1000 (purple), > 1000 (red)

- Repositories
- IT Alma Mater Digital Library
 - IT AperTo
 - FR Archimer, Archive Institutionnelle de l'Ifremer
 - IT Archivio Eprints Universita di Firenze
 - ES Archivo Digital UPM
 - GR Aristotle University of Thessaloniki
 - DE ask23 repository (lkw, hfbk hamburg, germany)
 - NL AUP publications
 - CH Bibliotheque Numerique RERO DOC
 - DE BieSON - Bielefelder Server fuer Online-Publikationen (University of Bielefeld, GERMANY)
 - UK Birkbeck ePrints
 - UK Bristol Repository of Scholarly Eprints (ROSE)
 - UK British Library Research Archive
 - SE DALEA - Högskolan Dalarnas elektroniska arkiv
 - HU Debreceni Egyetem elektronikus Archivumának (DEA)
 - DE DESY Publication Database
 - DE DIPP NRW
 - NL Dissertations of the Universiteit van Amsterdam



- Hosting Nodes
- node1.p.driver.research-infrastructures.eu (146.48.87.214)
 - 8002 (IS_Store)
 - 8003 (ResultSet)
 - 8001 (IS_Registry)
 - 8007 (IS_LookUp)
 - 8000 (IS_SN)
 - 8009 (IS_UI, CS_UI)
 - node2.p.driver.research-infrastructures.eu (146.48.87.215)
 - 8003 (ResultSet)
 - 8009 (IS_UI, CS_UI)
 - 8010 (CS_Engine)
 - 8008 (MS_RO)
 - 8180 (A2)
 - node3.p.driver.research-infrastructures.eu (146.48.87.216)
 - 8003 (ResultSet)
 - 8006 (Publisher)
 - 8180 (Search, Recommendation, UserInterface, Community, UserProfiling)
 - node9.p.driver.research-infrastructures.eu (212.87.15.95)
 - 8003 (ResultSet)
 - 8004 (TextEngine)
 - 8180 ()



The DRIVER Portal

www.driver-community.eu

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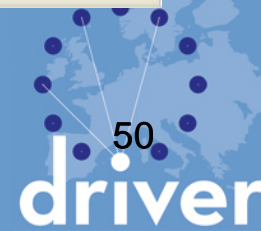
For repository managers

Search the repositories portal

driver
Digital Repository Infrastructure Vision for European Research

Driver is a collaboration, co-funded by the European Commission, to build a network of freely accessible digital repositories with content across academic disciplines.

e-infrastructure





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- DART Europe Repositories
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News & Announcements

Features more than 600,000 Open Access documents from over 110 European repositories in 25 languages.

For repository managers

Is your repository registered with DRIVER? If not, contact us via our helpdesk and we will guide you through the registration process.

For service providers

Develop the repository landscape! Are you a technical person? Then you may want to have a look at the current DRIVER infrastructure deployment, or take a peek at two test installations of the driver infrastructure for specialized communities: DART and Recolecta.

Visit our official project site to download the latest DRIVER infrastructure software release D-NET v.1.0

If you have any questions or need further information please contact our helpdesk and we will be happy to assist you!

DRIVER Communities

- Computer Science in the UK
- DINI Repositories and Database Research
- Molecular Biologists

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Digital Repository Infrastructure Vision for European Research



- Home
- Information for ...
- Learn about...
- Mentoring Service
- News & Events
- FAQ
- Links & Publications
- DRIVER Wiki
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Home

Welcome to the DRIVER Support website

Here you can access information and support relating to Open Access and digital repositories. Digital repositories can help make research information more widely available, more widely used, and improve the process of research itself. Information of interest to specific user groups is available as well as information about the DRIVER project.

DRIVER II, a project funded by the 7th Framework Programme of the European Commission, is the continuation of the DRIVER project. DRIVER II will extend the geographical coverage step-by-step and will move from a test-bed to a production-quality infrastructure. As part of DRIVER II this site will be revised to reflect new developments and the wider remit of the DRIVER II project. D-NET, a development of DRIVER II is nearing release and details will shortly be available from the [Learn About DRIVER](#) website.

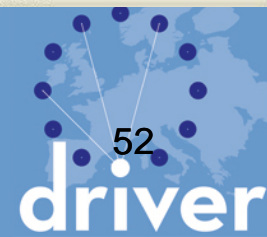
This site holds details on the state of development of repositories in different European countries and how you can join this growing European network.

You may share information and news from your own country via the [DRIVER Wiki](#) and can benefit from the experience of others, and share your experiences, through the [Mentor Service](#).

You can also want to suggest events or announce news on this site that other visitors may find useful.

For access to DRIVER Tools, DRIVER Search and to access and re-use the DRIVER Infrastructure please go to the DRIVER Portal <http://www.driver-community.eu/>.

Last updated: 17-Jun-2008





DRIVER Support Web

DRIVER Wiki

- General Topics
- DRIVER Guidelines
- European Union
- Non-EU Europe
- Rest of the World

Restricted Pages

- Content Network Group

PmWiki Software

- Basic Editing
- WikiSandbox
- Driver Wiki Admin

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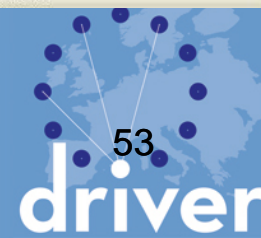
Open Access in the European Union

- | | | |
|--------------------------------|---------------------------|--------------------------------|
| Austria | Germany | Netherlands |
| Belgium | Greece | Poland |
| Bulgaria | Hungary | Portugal |
| Cyprus | Ireland | Romania |
| Czech Republic | Italy | Slovakia |
| Denmark | Latvia | Slovenia |
| Estonia | Lithuania | Spain |
| Finland | Luxemburg | Sweden |
| France | Malta | United Kingdom |

The DRIVER Guidelines were developed based on the DINI certification in Germany and DARE guidelines in the Netherlands with requirements specific to those networks removed. DRIVER partners involved in other repository networks, such as HAL in France and SHERPA in the UK, provided additional input to ensure that the DRIVER Guidelines are suitable for implementation by the entire European repository community. The DRIVER Guidelines are available from the [Support website](#). A Wiki page has been set up for the [DRIVER Guidelines](#) where you may contribute.

The DRIVER "[Inventory study into the present type and level of OAI compliant digital repository activities in the EU](#)" is now available. The study which was managed by SURF, surveyed repository managers and associated institutional personnel on a range of issues relating to Open Access and repository development.

Of the 27 EU countries, seven appear to have no institutional repositories, five are in the early stages of developing repositories while the remaining 15 countries have, to varying degrees, established institutional repositories. A separate wiki has been set up for [comments relating to this study](#).



[DRIVER Support Web](#)**DRIVER Wiki**[General Topics](#)
[DRIVER Guidelines](#)
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[Rest of the World](#)**Restricted Pages**[Content Network Group](#)**PmWiki Software**[Basic Editing](#)
[WikiSandbox](#)
[Driver Wiki Admin](#)[Main /](#)

Open Access in Portugal

[Repositories](#) | [Organisations](#) | [Projects](#) | [Journals](#) | [Copyright](#) | [Funding](#) | [Publishers](#) | [News](#) | [Other](#)

Open Access Repositories

The Open Access Repositories activities in Portugal are currently undergoing a strong momentum as the reflex of the growing interest and involvement of the Portuguese academic and scientific community in the questions related with Open Access to scientific literature.

The first initiatives were from Minho University with the creation of [RepositóriUM](#) - its institutional repository (October 2003) and the subsequent definition of a pioneering self-archiving policy (January 2005).

But in 2006 the opening of another repository on production stage ([ISCTE repository](#) in October 2006), the Open Access Declaration issued by [CRUP](#) (the Conference of Rectors of the Portuguese Universities) (November of 2006), the very successful second Open Access Conference (with more than 150 participants) held in Minho University, as well as other initiatives for creation of institutional repositories in diverse national institutions, fully illustrate the high degree of interest and development work that has been settled in Portugal.

There are 16 public universities in Portugal and combined with smaller private universities that are focused mainly on teaching, the number increases up to 22 universities. The Conference of Rectors of the Portuguese Universities, consisting of the rectors of the above-mentioned 16 public universities, has signed the Berlin Declaration on Open Access recommended that all universities build an institutional repository and design a policy for self-archiving.

At the time of writing, in Portugal, there are 4 institutional repositories (IRs) in a production stage, 3 in a testing stage, 1 in installation stage and several others starting the first steps towards their creation. The IRs already in production stage, combined, archive about 8700 documents (but 6700 are from just one repository).

The main driving factor for engaging with the development of IRs is the increasing awareness of the open access movement and the need to showcase the research outputs are mentioned. On the contrary, the main inhibitors are the low level of awareness on Open Access in some scientific areas and institutions and the doubts and fears with regard to the copyright situation for published research output.

How can a single repository become a member of the DRIVER community?

- The concept of DRIVER sees national communities as the basis and as natural partners for the European repository network
- Contact the DRIVER Wiki and find out about your national contact point(s) (“correspondents”) to the DRIVER community
 - Become a member of your existing national community
OR
 - Support the building of a national community within your country (see also *DRIVER Mentoring Service*)
- In case there is no correspondent: register your interest on the DRIVER website to
 - Become a member of the DRIVER community

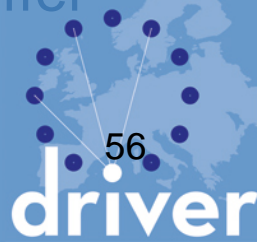


How does DRIVER relate to national repository communities?

- National communities are usually represented by country “correspondents”
 - One institution or a group of institutions takes responsibility to build a national repository community (like DARENet-NL, SHERPA-UK, OA-Netzwerk-GE, RECOLECTA-ES, HAL-FR)

Country “correspondents” ...

- Maintain the national repository information on the DRIVER Wiki
- Organise repository events in their countries
- Translate repository guidelines and other relevant information into national languages
- Build up national data aggregators, clean data, can offer additional services



How does DRIVER relate to international repository communities?

- DRIVER sees it's mission as
 - Catalyst for a global repository infrastructure
 - Develop and maintain the European repository infrastructure node
- DRIVER liaises already with institutions and initiatives from the U.S., Latin America, China, India and Africa
- DRIVER collaborates with eIFL, the library support organisation for developing countries
- DRIVER liaises with the *Object Reuse and Exchange* (ORE) project and SPARC, U.S.

Where can I get more information about DRIVER?

- Go to the **DRIVER Portal**:
www.driver-community.eu
- Contact the **DRIVER Helpdesk**,
helpdesk@driver-support.eu

Upcoming event:

Baltimore, 17/18 November 2008; SPARC US, Japan and Europe

 **SPARC** Digital Repositories Meeting 2008
NOVEMBER 17 & 18 BALTIMORE



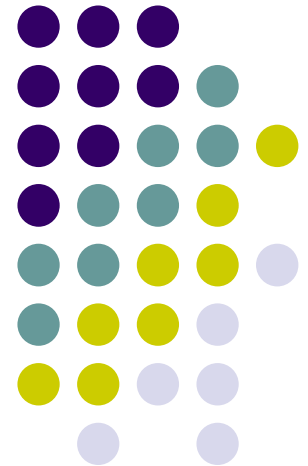
Publishing and the Ecology of European Research (PEER)

EC eContentplus

Vorgesehener Start: 1. September 2008

Laufzeit: 3 Jahre

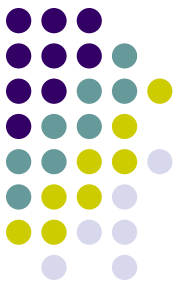
Partner: International STM Headoffice, ESF, Universität/SUB Göttingen, MPG/MPDL, INRIA, SURF, Universität/UB Bielefeld





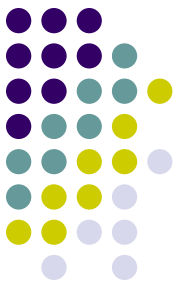
Purpose of PEER

- Publishers and research community collaborate
- Develop an “observatory” to monitor the impact of systematically depositing stage-two outputs on a large scale
- Gather hard evidence to inform future policies



Objectives

- Determine how large-scale deposit of stage-two outputs will affect journal viability
- Determine whether it increases access
- Determine whether it affects the broader ecology of European research
- Determine the factors affecting readiness to deposit and associated costs
- Develop model(s) to show how traditional publishing can coexist with self-archiving



Depositing activities

- 15 major STM publishers
- Ca. 300 Journal
- Approx. 20,000 articles per year (~60,000 articles for the project)
- 50% of the articles: Publisher > Repositories
- 50% of the articles: Author > Repositories



www.oapen.net

European University Presses take the initiative to develop an Open Access model for peer reviewed books in Humanities and Social Sciences

eContentplus EC co-funded project

Duration: 30 months

Start: September 1, 2008

Partners: Amsterdam University Press, Georg-August-Universität Göttingen, Museum Tusulanum Press, Manchester University Press, Presses Universitaire de Lyon, Firenze University Press, University of Amsterdam, University of Leiden

Website: www.oapen.net



OAPEN

OPEN ACCESS PUBLISHING IN EUROPEAN NETWORKS

[Home](#) [Introduction](#) [News](#) [About OAPEN](#) [Partners](#) [Join](#) [Contact](#) [Links](#)



Open Access Publishing in European Networks

OAPEN is a project in Open Access publishing for humanities monographs. The Open Access movement has developed rapidly in the sciences and in journal publishing. The consortium of University-based academic publishers who make up OAPEN believe that the time is ripe to fully explore the possibilities of Open Access in the humanities and social sciences.

The OAPEN partners all currently have some involvement in the Open Access movement, and you are encouraged to view their pages on this site and on their own sites.

It is expected that this project will find useful, exciting and beneficial ways of publishing scholarly work in Open Access, allowing access to important peer reviewed research from across Europe.

The partners

**Amsterdam University Press
Georg-August Universität Göttingen
Museum Tusulanum Press
Manchester University Press
Presses Universitaires de Lyon
Firenze University Press
University of Amsterdam
Leiden University**



Key Objectives

- **Creating the largest freely available collection of current peer reviewed books in European languages in various fields of HSS**
- To develop and promote an Open Access (OA) publication model for primary publications
- To engage all stakeholders in the publication process
- To build a network around OA book publishing
- To develop common funding models
- To adopt common standards and metadata to improve retrievability and visibility of HSS publications

Expected Results

- **Publication Model**

- OA funding model for e-books based on scientific studies (user needs, publication cultures, OA models)
- Services and business plan for OA books and services
- Contract for licensing content
- Agreement for OAPEN partnerships

- **Publishing Platform**

- dedicated to monograph content in HSS in all its dimensions (text, multimedia, data, reader interaction)
- supplemented by tools and services for e-publication, digital printing (PoD), marketing and digitization

- **Networked Online-Library**

- Aggregated collection of OA books
- Multi-lingual search

Virtual Research Environments & e-Humanities

Textgrid: Pioneering work through building of Virtual Research Environments for Humanities

A collaborative effort of scholars, libraries, computer scientists and language experts

Two main product groups:

- *TextGridRep* (ressources such as texts or dictionaries)
- *TextGridLab* (tools and workbench)

- TextGrid I = 10/2005 – 03/2009
- TextGrid II = extension proposal submitted

Funded by the BMBF, coordinated by the SUB Göttingen

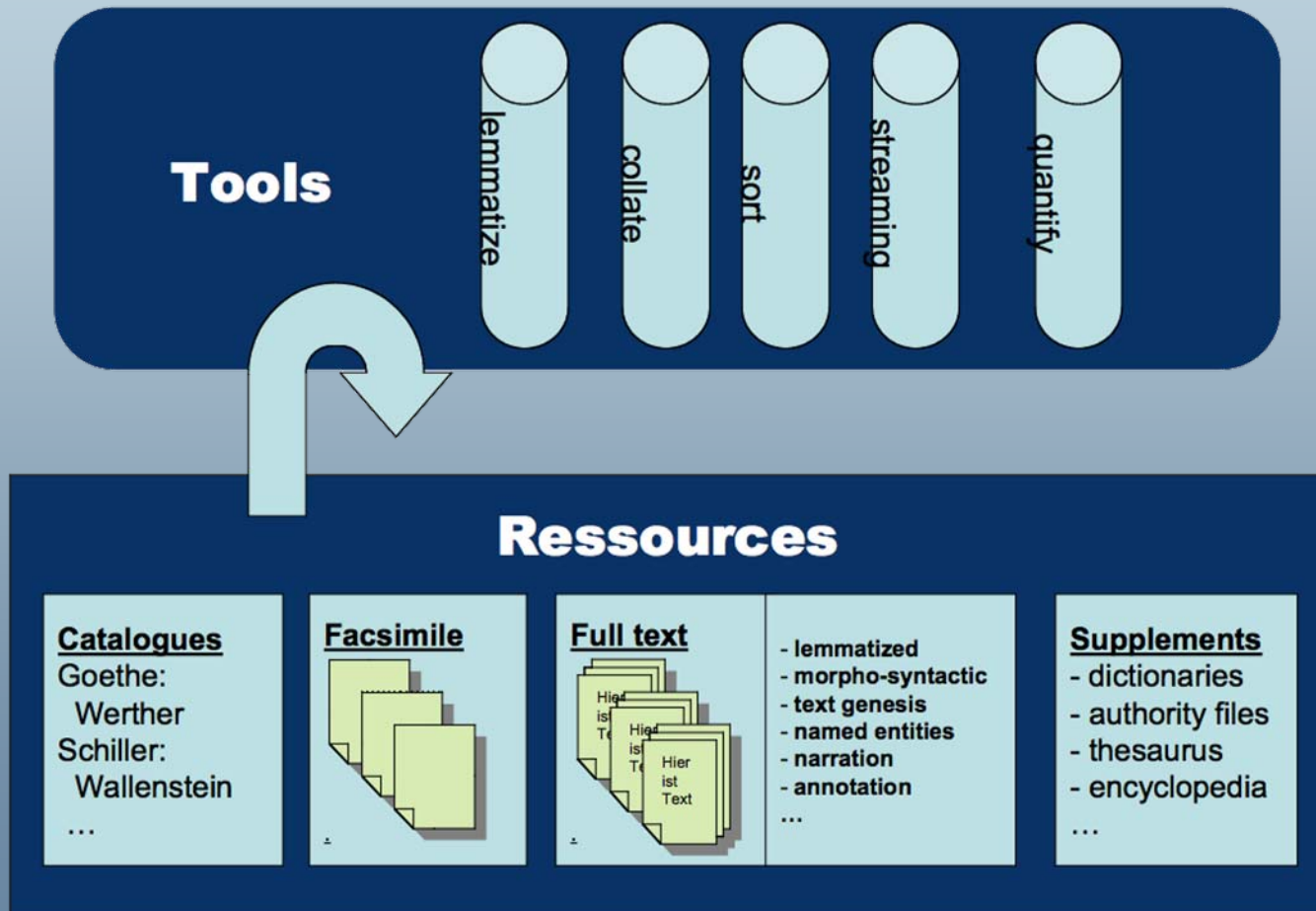


TextGrid in View: Goals

- Establishment of a virtual research infrastructure
- TextGrid: a generic platform for scientific text data processing
- Service Grid (toolbox for collaborative work)
- Data Grid (virtual archive for long-term data preservation)

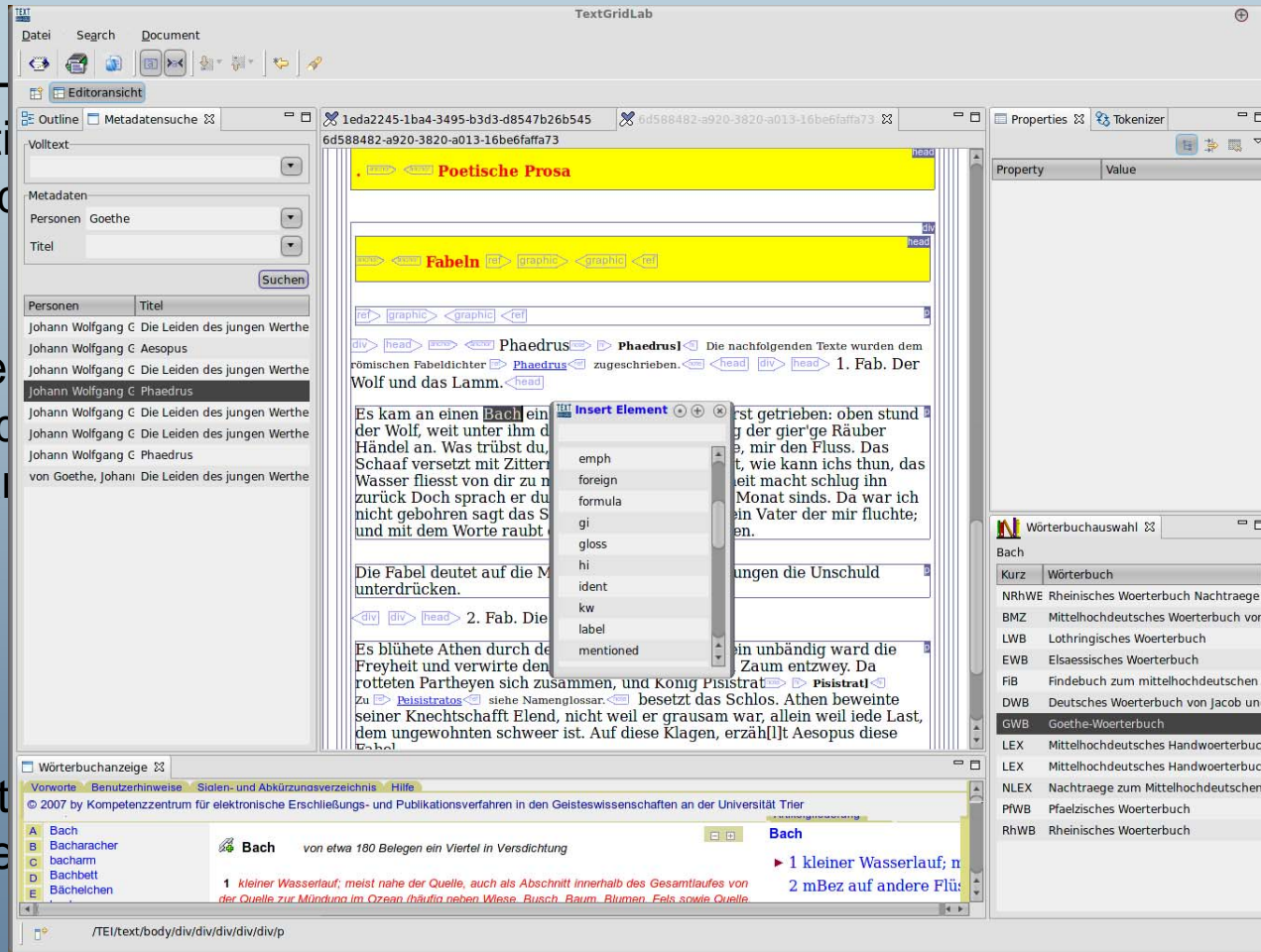


Philological View: TextGrid Tools and Services



TextGrid in View: TextGridLab

- Eclipse-integration
a unified
- Intuitive way of
views and
menus
- Open standard
interoperable



- creating
res
- and
system
stability
- S
le

TextGrid in View: TextGridLab

The screenshot displays the TextGridLab interface, which is used for managing and processing text corpora. It features several key components:

- Administration Panel:** Located on the left, it includes sections for 'Administration' (with sub-sections for Projekte, Rollen, Benutzer, and Ressourcen) and 'Bestehendes Projekt modifizieren' (Modifying Existing Project). This section contains a dropdown menu for selecting a project, with options like 'Junger Goethe - Id 4567 - Der junge Goethe in seiner Zeit' and 'Schiller - Id 2345 - Sämtliche Werke - deaktiviert'. Buttons for 'auswählen', 'deaktivieren', and 'aktivieren' are provided.
- Project Creation Form:** Below the modification section, there is a form to create a new project with standard roles, including fields for 'Name' and 'Beschreibung', and an 'anlegen' button.
- Workflow Editor:** On the right side, a 'Workflow Editor' is shown with a flowchart. It starts with 'InText' and 'StyleSheet' as inputs, which feed into 'okenizer2'. The output of 'okenizer2' goes to 'StreamingEditor', which then feeds into 'TreeTagger'. The final output is 'TaggedText'.
- Search Results:** On the left, a search results page is visible, showing a list of search results for 'TextGrid-übergreifende Suche - HTML-Dummy - Opera'.
- Tagged Text Output:** At the bottom right, a 'TaggedText' output is shown, which is a text document with XML tags. The text visible is 'kommst du das wieder ausdrücken, kommst du dem Papier das einhauchen was so voll so warm in dir lübt'.

TextGrid in View: Tasks



- Integration of all tools in one user interface (workflow editor, project management ...)
 - Definition and configuration of workflows and processes
 - Road map for community building
 - Models for sustainability
 - International Cooperation (e.g. service descriptions interoperable with Interedition)
-

Anwendungsszenarien

- Typische Arbeitsschritte bei der Erschließung von Primärquellen
 - Katalogisierung, Verzeichnung
 - Erfassung, Faksimilierung, Transkription
 - Edition (Leseausgaben, Studienausgaben, (historisch-)kritische Editionen)
 - Publikation (Print, Digital, Online, Offline)
 - Analyse, Auswertung (quantitativ/statistisch, qualitativ/erläuternd)
 - Erschließung, Kontextualisierung (Register, Verzeichnisse, Kommentare, Grammatiken, Wörterbücher etc.)

Beispiele: Erschließung / Kontextualisierung

Heine
Brief-
ausgabe

The screenshot displays a web application interface for Heinrich Heine's letters. The main content area shows a list of letters with a table of metadata:

Header	Empfänger	Datum	Tag
HSA Bd. 20, S. 24 – Brief Nr. 6	Charlotte Embden (geb. Heine)	20. Juni 1819	Sonntag

Below the table, the letter's content is shown in an **Edition** view:

Wir können die Menschen füglich in zwey Classen eintheilen: 1^{ten} Diejenigen die uns lieben, 2^{ten} Diejenigen die uns oft und deutlich sagen daß sie uns lieben – Mich, liebes Lottchen, kannst Du dreist zur ersten Classe rechnen. Ich bin Dir herzlich gut, wenn ich auch nicht viel Aufhebens davon mache

Dusseldorf d 20 Juny 1819.

On the right side, there is a **Kommentar** section with the text: *MITTHEILUNGEN ZUM TEXT* 247 **viel H** [nachträglich eingefügt] *ÜBERLIEFERUNG* H Heine-Institut, Düsseldorf (am linken oberen Rand Note von fremder Hand). D M. Embden-Heine, Prinzessa della Rocca, Erinnerungen v. Heine von zelter Nichte. Hamburg 1861, S. 11.

At the bottom, a **Faksimile** window shows a scan of the original handwritten letter.

On the left side, a **Verzeichnis** (Index) lists various letters and their dates, such as: Friedrich Heine (17. Februar), Christian Sathe (8. Juli 1816), Christian Sathe (20. November), Anstole Heine (19. November), Anstole Heine (1. Januar 181), Charlotte Embden (geb. Heine), Friedrich von Baughen (15.), Isack Coppenhagen (13. Sep), Jakob Horak (September 1), Friedrich Steinmann (29. Okt), Johann Baptist Rousseau G, Friedrich Arnold Brockhaus, Friedrich von Baughen (2. F), August Meyer (1. Februar 1), Friedrich Steinmann (4. Feb), Heinrich Strube (5. Februar).

Einführung

Beispiele: Erschließung / Kontextualisierung

Mittelhochdeutsches Textarchiv, hier Berthold von Regensburg, und Trierer Findebuch, Lemma ‚abbet‘

Textarchiv

Digitales Mittelhochdeutsches Textarchiv: Textbrowser (BERTH)

Berthold von Regensburg, Deutsche Predigten (Überlieferungsgruppe *2). Hrsg. von DIETER RICHTER (WPM 5), München 1968.

Titelseite

1. Von den sieben Schöpfungstagen
2. Von den Himmelsfürsten
3. Von den zehn Jungfrauen
4. Vom dreifachen Ordensgelübde
5. Von den Kleinen und den Großen vor Gott
6. Vom Empfang des Herren
7. Von dem Weg zur Vollkommenheit
8. Von den Gründen der Menschwerdung Gottes

44 ...geben wage um maier getzen, das ist er ewig
 45 hab fur ze bieten.
 46 Wir wln gegen got ze dem fimften male leben in
 47 gotlichem erit. Von erit, kwag wir got gelobt haben,
 48 das wir das leiten. Ze dem andern mal, wenne wir
 49 vbergen, das wir das rwen, wan wir haben ein
 60 gyten got, ein vil gyten got vnd ein guten **abte**. Syer
 61 loite gelten drizleht kost mach, der in die lieg bis
 62 an dri phennig ... hat der menich
 63 verdient mit ein ... ein binne
 64 driggich vrent ... ewichlichen, vnd
 65 gert got nit anders wan das es im lait fel vnd wil
 66 imz aliez vergebery, er wil nit das du dich offener
 67 chendest, er wil nirv das du es dem brieter heimli-
 68 chen lagest in in ore vnd wil dir aliez vergeben. Das
 69 dritte, das wir gedencen, ob er vni le chein liebe
 70 erbot vnd minne, das wir in hin wider minnen vnd das
 71 wir in hin wider loep haben. Es ist lwer cheiner ir habe
 72 got vil gruel getan, ich gewige der winchelgabe, die
 73 ir epshat wenne ir an lwerem haemlichen gebet
 74 it mit got. Das er vni gelchaffen hat, das er vni
 75 erloet hat, das er vni er sife lit worden, das chinnen
 76 wir im nimmer vol danchen. Waer nirv ein menich,

abte

Wörterbuch

Mittelhochdeutsche Wörterbücher auf CD-ROM, Version 2.0

Suchen Einstellungen

FINDEBUCH ZUM MITTELHOCHDEUTSCHEN WORTSCHATZ

abbet *stn.* **abbet** *a bis* *abe drüwen

abbeteie *stf.*
 abe *stf.*
 abe *adv.*
 abe *pröp. f.*
 *abe bekomen *st.*
 *abe benennen *st.*
 abe bērn *stn.*
 *abe besiden *st.*
 *abe botwigen *st.*
 abe binden *stn.*
 abe biten *stn.*
 abe blāsen *stn.*
 *abe bliuwen *stn.*
 *abe bliuzen *stn.*
 abe brūchen *stn.*
 abebrūchen *stn.*
 abebrūcher *stn.*
 *Abebrūcherie *f.*
 abebrūchunge *stf.*
 abe brūsten *stn.*
 *abe bringen v.
 ābēē *stn.*
 *abe dienen *stn.*
 abe dīngen *stn.*
 *abe diuhen *stn.*
 *abe drūwen *stn.*
 abe drūcken *stn.*
 abe drūmen *stn.*
 abe eischen v.
 *abe empfallen *stn.*
 abe entwīchen *stn.*
 abe erbiten *stn.*

ERST DRITTE ÜBERLIEFERUNGSGRUPPE
 MINNEHAU TAULER
 STRAMIS ERIC DSE
 RWCHER
 PILGERF
 VÄT.
 OT.
 PILGERF.
 abe *stn.* a → abe *stn.*
 abe *adv.* HE
 WENHML.
 WILL. LUCID. REN. RALEX. RWCHER. ERST DRITTE ÜBERLIEFERUNGSGRUPPE
 MART. KREUZ. HYBURG. APE. OT. KVEHELM. WENHML.
 [ābe f. = abe f. / LALEX.]
 *abe bekomen *stn.* *bekommen* ERIC.
 *abe benennen *stn.* *benennen* TAULER.
 abe bērn *stn.* HVNST. OT.
 *abe besiden *stn.* TAULER.
 *abe botwigen *stn.* *abotwigen* TRUCH.
 abe binden *stn.* ELH. RALEX. GTROV. HVNST. OT.
 - (erbinden) WYOT.
 abe biten *stn.* TAULER.
 abe blāsen *stn.* TAULER.
 *abe bliuwen *stn.* *abschlagen* TRUDF.

Referenz
Berthold
v. Regens-
burg

Ansicht, Navigation und Volltextsuche

Sonderzeichendarstellung: zu Seite 71 von 72 Volltextsuche:

BrAsb. Asbacher Benediktinerregel Middle High German Translations of the Regula S. Introduction, a Latin-Middle High German Glossar SELMER (The Medieval Academy of America 17, 1933 (Nachdruck New York 1970), S. 129-166. Für das 'Findebuch' wurde das Glossar Schönba...

Einführung

KOPAL, a German Long-term Preservation System

Partners:

- German National Library (DNB)
- Göttingen State and University Library (SUB Göttingen)
- IBM
- GWDG (Computing Centre for Göttingen University and the Max-Planck-Society)

<http://kopal.langzeitarchivierung.de/>

Adobe Reader - [Renn_State_of_the_Problem_OA06.pdf]

Virtual ShowCases - Links - Mozilla

http://www.virtualshowcases.com/Links/Links.asp

Virtual ShowCases
Information Society
Technology

Sunday, 31-oct-2004

Visiter: 74158

Links

CRCG' Virtual Showcases page

404 Not Found - Mozilla

http://www.ci...

Not Found

The requested URL /showcase/showcase.php3 was not found on this server

Apache/1.3.29 Server at www.crcg.edu Port 80

Dead links

Home Page
Objectives
Technical
Publications
Exhibitions
Contacts
Links
Site Map

Start

Microsoft Activ...
MPG
Microsoft O...
Posteingang - ...
Universitätsverl...
16lippincott.pdf
Renn_State_of...
DE

5 von 26

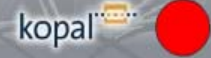
16:32



Bibliotheken, Museen, Archive, Datenzentren und andere Gedächtnisorganisationen stehen vor dem Problem, ihre rapide anwachsenden digitalen Bestände auch in Zukunft nutzbar zu halten.

Workflow der Archivierung

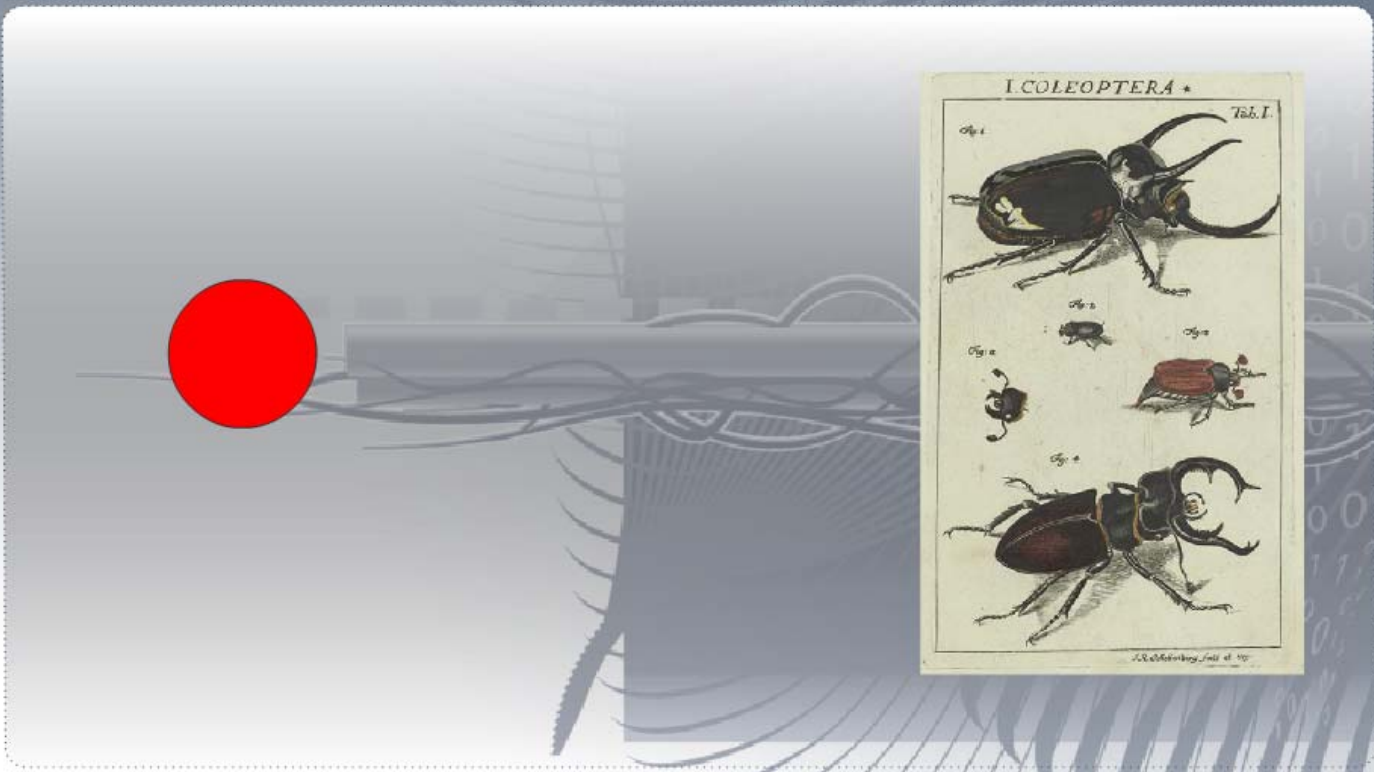
1. Caroli Linnæi ... Fauna Svecica Sistens
Animalia Sveciæ Regni
Creators:Carl Linné
Place of publication:Leiden
Date of publication:1746
2. Title:Die Kennzeichen der Insekten
Creators:Carl Linné, Johann Heinrich Sulzer,
Johannes Geßner
Place of publication:Zürich
Date of publication:1761
3. Title:Caroli Linnæi ... Fauna Svecica, sistens
animalia Sveciæ Regni
Creators:Carl Linné
Place of publication:Stockholmiæ
Date of publication:1761



Ein Nutzer greift auf elektronische Dokumente oft über Online-Informationssysteme zu. Liegt ein solches Objekt in langzeitarchivierter Form vor, so kann es direkt abgerufen und in der aktuellen migrierten Form geliefert werden. Auf Wunsch erhält der Nutzer auch ältere Archivversionen.



Workflow der Archivierung





- Über kopal
- Ziel
- Service
- Projektverlauf
- Arbeitspakete
- Downloads

- Technik
- Objektspezifikation
- Standards
- Software
- koLibRI - kopal Library for Retrieval and Ingest



Lossau



English | Startseite | Impressum

News

kopal goes live: Nutzungsmodelle und Perspektiven eines Langzeitarchivs digitaler Informationen

Die Präsentationen der kopal-goes-live Veranstaltung am 18. Juni 2007 in der Deutschen Nationalbibliothek Frankfurt finden Sie **HIER** oder auf unserer **Download-Seite**.

Über kopal

kopal - Kooperativer Aufbau eines Langzeitarchivs digitaler Informationen

Digitale Dokumente langfristig zur Verfügung zu stellen, ist ein bislang ungelöstes Problem unserer Informationsgesellschaft. Mit der ansteigenden Zahl elektronischer Veröffentlichungen wächst die Notwendigkeit einer zuverlässigen Archivierung. Im Zuge der technischen Entwicklung werden immer neue digitale Dateiformate verwendet, die an spezielle Programme und damit an bestimmte Rechnertypen und Betriebssysteme gebunden sind. Ältere Daten sind so mit aktueller Soft- und Hardware oft nicht mehr nutzbar. Das Projekt kopal widmet sich der Lösung dieser Problematik in Form eines kooperativ entwickelten und betriebenen Langzeitarchivs für digitale Daten.

Der **kopal-Demonstrator** veranschaulicht Konzept und Arbeitsablauf des kopal-Archivsystems.

Gemeinsam erarbeiten die Partner die Deutsche

Aktuelles

Open Source LZA Tool Xena veröffentlicht...

von Stefan Strathmann, 26.09.2007

16. Ausgabe von 'What's new in digital preservation'...

von Stefan Strathmann, 24.09.2007

Sommerausgabe des Magazins RecordKeeping veröffentlicht...

von Stefan Strathmann, 29.08.2007

nestor Newsletter

Kontakt

Glossar / Linkliste

Projektpartner

Deutsche Nationalbibliothek





Hochleistungsrechner **DELL/SCALI Xeon-Cluster**

- Parallelrechner mit verteiltem Speicher
- 126 Rechenknoten mit je
 - zwei Xeon-Prozessoren
 - 3,06 GHz Taktrate, 1 MB Cache
 - 4 GB Hauptspeicher
- Rechnerkopplung über Scal Scal-Vernetzung (2 dim. Torus)
- Gesamtsystem:

252	Prozessoren
0,5 TeraByte	Hauptspeicher
15,1 TeraByte	Plattenspeicher
1,5 TeraFlop/s	Rechenleistung

September 2003

Hochleistungsrechner **SGI Altix 4700**

- Parallelrechner mit gemeinsamem Speicher (NUMA-Node Shared Memory Architecture)
- 126 Blades mit je
 - zwei Dual Core Sunum2-Prozessoren
 - 3 Top Monitors
 - 1,6 GHz Taktrate, 16 MB Cache
 - 12 oder 24 GB Hauptspeicher
- Rechnerkopplung über Switch-Hierarchie SGI Numalink mit 6,4 Gbit/s Bandbreite
- Gesamtsystem:

512	Rechenkerne
1,4 TeraByte	Hauptspeicher
3,6 TeraByte	Plattenspeicher
3,27 TeraFlop/s	Rechenleistung

Inbetriebnahme: Januar 2007

Hochleistungsrechner **MEGWARE Woodcrest-Cluster**

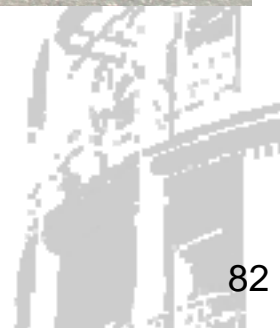
- Parallelrechner mit verteiltem Speicher
- 126 Rechenknoten mit je
 - zwei Dual Core Xeon-Prozessoren
 - 3 Top Monitors
 - 3 GHz Taktrate, 4 MB Cache
 - 8 GB Hauptspeicher
- Rechnerkopplung über 10 Gbit InfiniBand Switch
- Gesamtsystem:

600	Rechenkerne
1,2 TeraByte	Hauptspeicher
60 TeraByte	Plattenspeicher
7,2 TeraFlop/s	Rechenleistung

Inbetriebnahme: März 2007

Servercluster, GWDG (Computing Centre for Göttingen University and the Max-Planck-Society)

Lossau



Future roles for research libraries

Digitisation and Networked Collections

- Digitise collections and bring them into international networks (incl. Organisational and policy issues)

Build national and international networks of digital repositories

- Setting up institutional repositories according to international standards (see certification like DINI, DRIVER Guidelines)
- Organise the deposit of all research publications of your organisation
- Integrate the local repository in the national and international repository network
- Organise and implement the linking from documents to primary data sets and any other digital object (film, language recording etc.; using e.g. the TIB Hannover primary data identifier registry system)

Future roles for research libraries

Enable and support open access publishing for journals and books

- Build up University Publishing Houses (perhaps in a network) and publish books in Open Access
- Advocate Open Access at your institution among scientists and governing boards
- Negotiate contracts with publishers, which allow open access publishing (original PDF file) also on the institutional repository
- Carry out projects with publishers, to shift cashflow from subscriptions to the payment of the publishing process, resulting in Open Access

Information technology and service watch

- Watch technology developments of new research tools (such as the „Textgrid suite“) and offer those services to your scholars (directly or as mediator)

Future roles for research libraries

Library structure and staff development

- Restructure your libraries in order to free-up personell for new services
- Carry out projects to get new staff with technology skills into the library
- Train your permanent staff to meet future demands (e.g. TICER Summer School, Tilburg University, NL)

Characteristics of digital future library services

- Libraries will continue to digitise their collections
- Libraries will link documents to primary data sets, further digital objects, learning modules, providing standard metadata, persistent identifiers
- All search & navigation (like OPAC) and other information handling tools (like textgrid) can be exported into the desktop environment of researchers & students ⇒ Researchers can compose their own „Information Service“ desktop (eSciDoc, Germany; Research Information Centre, UK)
- Document delivery will be subsequently complemented (replaced?) by online repository networks (see DRIVER in Europe)
- Libraries provide digital preservation services

Publications as Live Documents

fluorescence is still present, the fluorescence signal might be subtracted from the overall signal if the percentage contribution and the phase between the SHG signal and the TPF signal is known.

4.2 Polarisation Dependence

The polarisation dependence of the SHG signal was recorded for bulk phenylalanine concentrations from 0.005 mol dm⁻³ up to 0.8 mol dm⁻³. This approach would reveal any change in the preferred orientation of the phenylalanine molecule at the air/water interface with increasing bulk concentration. The SHG signal was monitored for the linear output polarisations $I_p^{(2\omega)}$, $I_s^{(2\omega)}$, $I_{+45}^{(2\omega)}$, where P, S, and +45 correspond to the output harmonic polarisation (Parallel and $\Gamma=90^\circ$ for S-polarised light). The conditions were optimised to avoid the two photon fluorescence present with the SHG signal. A representative sample of five plots of data at different concentrations are shown in Figures 711.

SHG Intensity/ au

C=5 mM

Input polarisation angle γ / degrees

Legend: $I_p^{2\omega}$ (square), $I_s^{2\omega}$ (circle), $I_{+45}^{2\omega}$ (triangle)

Local intranet

Link to simulation software
and data in archive

Link to data, follow links back
to the raw data archive

Acknowledgments go to Tony Hey,
VP Microsoft, 2007

e-Science: Services can be composed

Taverna
Workflow

The screenshot displays the Taverna Workbench interface, which is used for composing and executing workflows. The interface includes several key components:


- Workflow diagram (A):** A central workspace showing a complex workflow graph with nodes and connections. Nodes include services like 'GetDomainsFromGABREvaluate' and 'GetAccFromRetrievalID'.
- Available services (C):** A panel listing various services available for use in the workflow, such as 'GetDomainsFromGABREvaluate', 'GetAccFromRetrievalID', and 'PhaserReportSetDescription'.
- Resource usage report (D):** A window displaying a table of resources used by the workflow. The table lists resources on 'martdb.ebi.ac.uk' and 'industry.ebi.ac.uk'.
- Configuring query for GetISGenes (D):** A configuration window for the 'GetISGenes' service, showing options for sequence export, type of sequence to fetch, and extents.
- Advanced model explorer (E):** A window showing a detailed view of a resource, including its name, type, and associated data.
- Enactor invocation (E):** A window showing the status and results of a workflow execution, including a table of results and a process report.

Acknowledgments go to Tony Hey,
VP Microsoft, 2007

The BL Research Information Center

RESEARCHERS DESKTOP | Home Site Actions My Site My Links

Welcome Jill



IDEA DISCOVERY & DESIGN OBTAIN FUNDING EXPERIMENT, COLLABORATE & ANALYSE DISSEMINATE FINDINGS

SEARCH >>

Advanced Search | Saved Searches

MY PROJECTS >>

- > Gene Splicing
- > Geneology
- > Genomics

MY TEAM MEMBERS >>

- > Contacts
- > Wiki

BLAST TOOL >>

Enter sequence in FASTA format:

Database:

IDEA CREATION >>

- > Definition of the original idea
- > Idea definition template with examples
- > Inspirational ideas web links
- > Discuss with inner circle of experts

REVIEW LITERATURE/ PRIOR ART >>

- > Search content sources
- > Keep track of papers, articles, abstracts which have been viewed/accessed
- > Setup alerts for the availability of the content source
- > Find applications and tools to manipulate data-sets/ simulations
- > Find datasets

DESIGN STUDY/ EXPERIMENT >>

- > Range of templates for designing expr.
- > Choose collaborators
- > Choose research methodology
- > Identify IP issues/ requirements
- > Estimate project size/equipment/cost

My Documents >>

Type	Name	Modified By
	Genomics Analysis	System Account

My References >>

- > Genomics Analysis My default search engine
- > Institut Pasteur Institut Pasteur
- > Molecular Biology Resources on Paediatric Infectious Diseases web

My Proposals >>

Funding Alerts >>

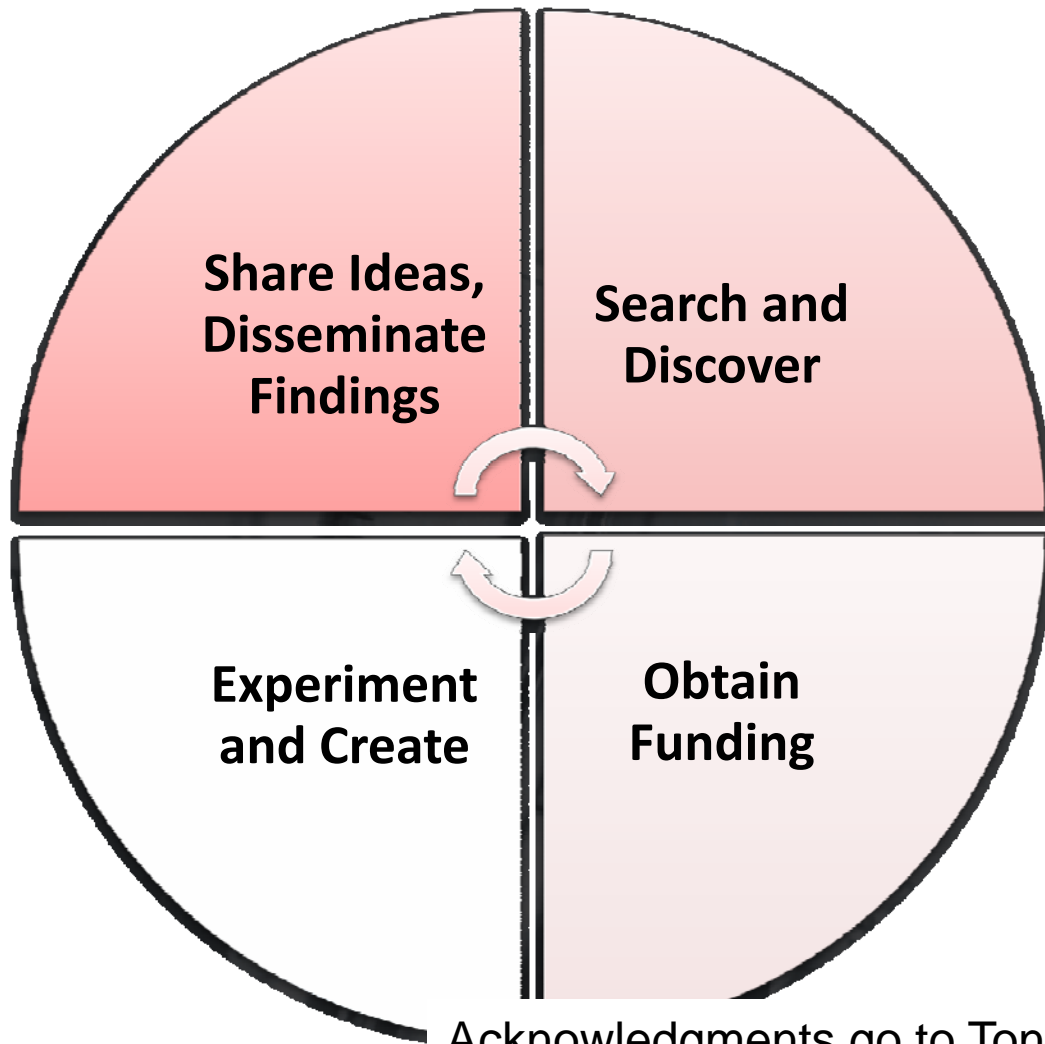
- > Antarctic Research
- > Broadning Participation in Computing Science
- > Science of Science and Innovation Policy
- > Physical and Structural Systems
- > Neutral Systems

Hot Topics >>

- > Antarctic Research
- > Broadning Participation in Computing Science
- > Science of Science and Innovation Policy
- > Physical and Structural Systems
- > Neutral Systems

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VP Microsoft, 2007

Tools and Services in Context



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VP Microsoft, 2007

Home page with RSS & Live Search integration

1. John Logs in Using his infocard. The portal is personalized for the logged in user

2. The research lifecycle phases are represented as tabs

3. Researcher can move between his Projects by clicking on the project name

4. Faculty menu displays Contacts and Wiki. LCS adds presence to contacts for IM communication

8. RSS feeds alerts the user about latest funding topics/opportunities

6. User can save searches and re-run them as required

5. Researcher can search across multiple online sources.

7. References displays URL's saved by User

The screenshot shows a web portal titled "Researcher's Desktop" with a navigation bar containing tabs for "Home", "Design", "Funding", "Proposal", "Experiment", "Analyze", and "Report". A search bar is located at the top right. The main content area is divided into several sections: "Biosciences" with a search box and "Advanced Search" link; "My Documents" with a table listing documents like "Genomics Analysis"; "My References" with a list of links to external resources like "Google Scholar" and "Institut Pasteur"; and "My Proposals" with a table of proposal entries. On the right side, there are sections for "Funding Alerts" (listing NSF opportunities), "Hot Topics" (listing neuroscience topics), and "Neuroscience Gateway". A left sidebar contains a "Faculty" menu with "Contacts" and "Wiki" options, and a "Recycle Bin" icon. The top right of the page shows a user profile for "John" and "My Site" / "My Links" options.

Acknowledgments go to Tony Hey, VP Microsoft, 2007

Digital knowledge management of libraries for Virtual Research Environments („e-Research“)

Traditional Libraries

- Books, Journals
- Book Shelves
- Online catalogues
- Classifications
- Closed and open stacks, conservation&preservation
- Acting local

Lossau

Libraries & e-Research

- ~ + Primary data, films, fotos, language records, radio broadcasts, simulations
- Online repositories (publications and primary data)
- Qualified search engines
- Dynamic, semantic networks/ontologies/semantic maps
- Digital preservation
- Acting cross-institutionally & internationally



Thank you for your attention!



Photos: Ronald Schmidt, Göttingen



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