

Open Access Network

**Heading for Joint Standards and Enhancing Cooperation:
Value-Added Services for German Open Access Repositories**

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All German research institutions **interlink**
their **Open Access repositories** and create an
overarching collection of publications
through the information infrastructure of OA Network.



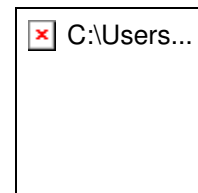
Our starting point: German repository landscape in 2010

- 200+ institutional and disciplinary repositories
 - Various repository platforms operational
 - Large differences in design, size of collections, and coverage
 - Heterogenous types of content
- Enhancement of content visibility on a national and international level by various means
 - Widespread implementation of OAI-PMH, but still deficits in standardization and data harmonization
 - Prominent repository registries, repository collaborations, search engines:

Registry of Open Access Repositories (ROAR)

OpenDOAR

Google
scholar beta

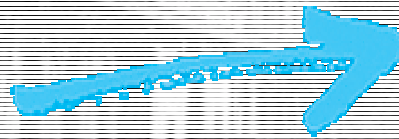




Reasons for the still missing breakthrough of OA

- The German situation:
 - Reputation of OA publications
 - Critical mass of content
 - Scattered landscape, i.e. collections
 - Non-standardisation
 - Technical, legal, and organisational support for authors
 - Repositories as **“Unorte”**

Repository?



Institutional background

dini

dfg

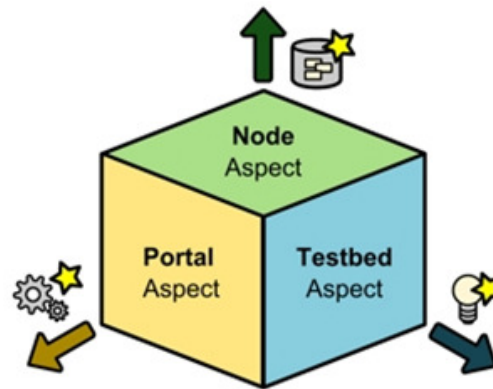
osna

OAN in a nutshell

Target Group: Repository operators

Function: Data

- Collect, clean, aggregate and enrich data
- make data accessible via open interfaces
- integrate data in external projects/networks



Target Group: End users

Function: Services

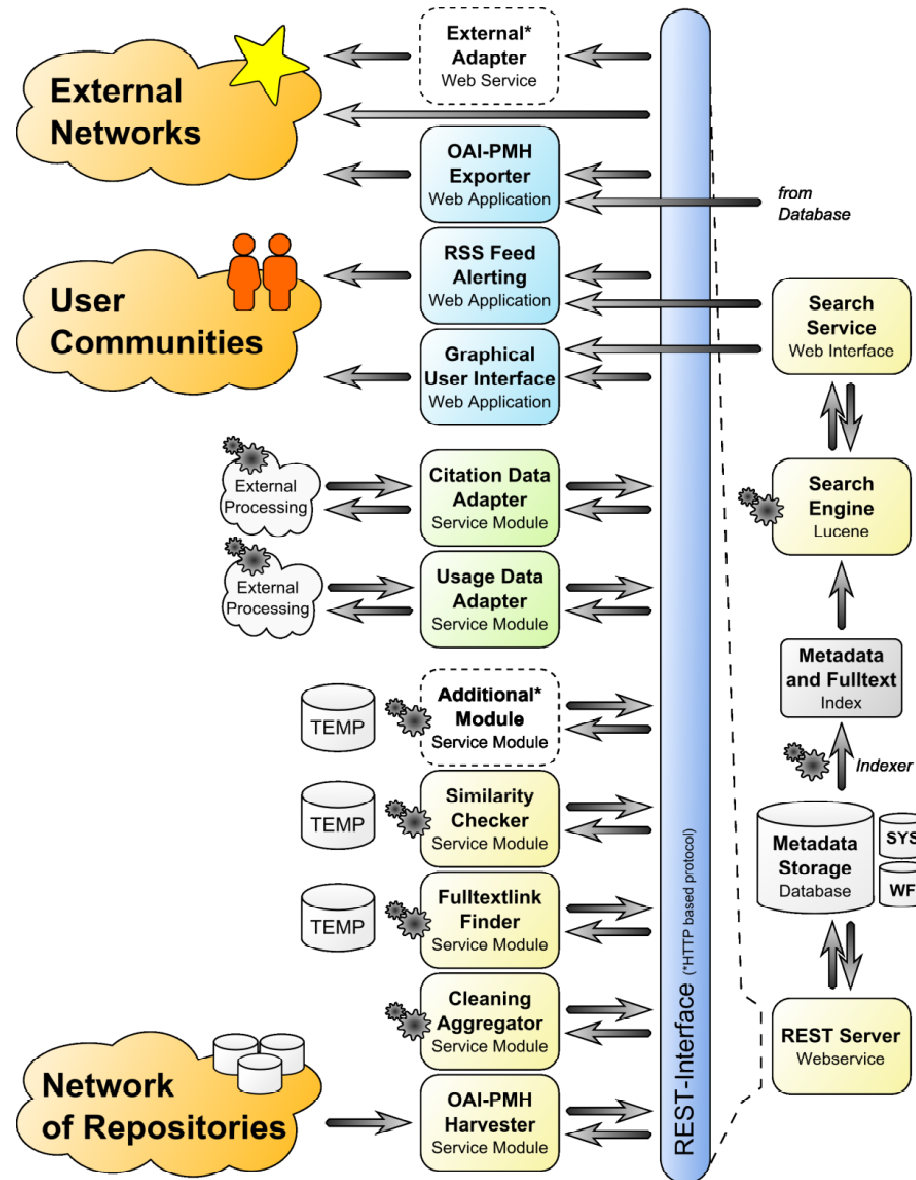
- Offers services for users on a web site
- put them into a common context of use

Target Group: Developers

Function: Development

- Offers a testbed with the real metadata for data analysis and prototype development

A more technical point of view



Value-added services of OAN

- Linking and citation analysis

- Co-project DOARC

(Distributed Open Access Reference and Citation Services)



- Usage statistics

- Based on local log files, aggregated at a central service provider
- Co-project OA Statistics



Value-added services of OAN

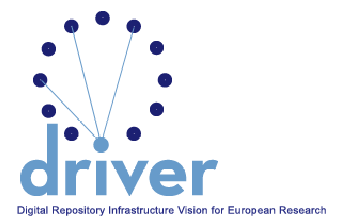
- More services to be implemented by third parties
 - Communication via REST API of OAN
 - OAN as open infrastructure
- End user-oriented portal
 - Portal offering various services: Browse & search
 - Configurable RSS feed
 - Export of bibliographic data (Endnote, Citavi)
 - My selection (shopping basket)
 - Navigation to citing and cited publications





Technological approach: aggregator function

- For international service providers via OAI API



- For subject repositories and gateways



- And to institutional repositories

The OAN search box



The image shows a screenshot of the OAN search interface. At the top center is the OAN logo, consisting of three stylized letters: a green 'o', a yellow 'a', and a blue 'n'. Below the logo is the text "Netzwerk von Open-Access-Repositorien". Below the logo and text are two buttons: "Search" and "Fachgebiete (DDC)". Below these buttons is a search input field containing the text "metadata". Below the input field are two buttons: "Search Metadata" and "Find!".

oan
Netzwerk von
Open-Access-Repositorien


Search [Fachgebiete \(DDC\)](#)

metadata




Search Metadata Find!

Example of result list




[Home](#) [Projekt](#) [Impressum](#) [Teilnehmende Repositorien](#) [Blog](#) [About](#) [Kontakt](#)

metadata Kategorie: Alles [Kategorie ändern](#)  *) Das RSS-Alerting-Feat




Trefferanzeige (120 insgesamt)
--: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) ++:

[Metadata for semantic and social applications ; Proceedings of the 8. International co...](#)   




2008 International Conference on Dublin Core and Metadata Applications 8 (2008-01-01): AGU 810, Niedersächsische Staats- und Universitätsbibliothek / http://webdoc.sub.gwdg.de/univerlag/2008/DC_proceedings.pdf
[\[bibtex\]](#) [Webdoc Göttingen \(http://webdoc.sub.gwdg.de\)](http://webdoc.sub.gwdg.de)
(OID: 47655)

[Improve the Access to Image Data by Combining Content-Based Semantic with Common Metad...](#)   

Fredrik Gundelsweiler, Harald Reiterer (2008-01-01): content based image retrieval, metadata retrieval, Zoomable user interface, Data processing Computer science, semantic-based image retrieval
http://kops.ub.uni-konstanz.de/volltexte/2009/7565/pdf/sammelband_23_gundelsweiler.pdf
[\[bibtex\]](#) [KOPS Konstanz \(http://www.ub.uni-konstanz.de/kops\)](http://www.ub.uni-konstanz.de/kops)
(OID: 49853)

[Visualization and interaction techniques of the visual metadata browser VisMeB](#)   

Frank Müller, Peter Klein, Tobias Limbach, Harald Reiterer (2003-01-01): Data processing Computer science, ScatterPlot, VisMeB, SuperTable, Visual Information Retrieval, Metadata Visualization, Interaction Techniques
http://kops.ub.uni-konstanz.de/volltexte/2007/3174/pdf/fm_pk_tl_hr_iknow_2003.pdf
[\[bibtex\]](#) [KOPS Konstanz \(http://www.ub.uni-konstanz.de/kops\)](http://www.ub.uni-konstanz.de/kops)
(OID: 48969)

[Automatic Metadata Extraction from Museum Specimen Labels](#)   

P. Bryan Heidorn, Qin Wei (2008-08-08): Naïve Bayes, Hidden Markov Model, automatic metadata extraction, Darwin Core, machine learning
<http://edoc.hu-berlin.de/conferences/dc-2008/heidorn-bryan-57/PDF/heidorn.pdf>
[\[bibtex\]](#) [EDOC HU \(http://edoc.hu-berlin.de\)](http://edoc.hu-berlin.de)
(OID: 5111)

Detailed result page






[Home](#) [Projekt](#) [Impressum](#) [Teilnehmende Repositorien](#) [Blog](#) [About](#) [Kontakt](#)

Kategorie: [Alles](#)

[Zurück zur Trefferanzeige](#)

Detailanzeige der Metadaten

(OID: 86640)

Titel:	On the Way to a Worldwide Visible Open Access Repository
Autoren:	Peter Schirmbacher
Mitwirkende:	
Herausgeber/Institution:	Philosophische Fakultät I
Zusammenfassung:	The different kinds of repositories offer an opportunity for Open Access publications. We are at a point where the technical requirements have generally been met and repositories exist worldwide for the various disciplines at nearly every scholarly institution. It took a lot of effort to reach this innovative condition. In order to take repositories to higher quality and greater level of acceptance, we need to enhance the networking and provide additional services inside the networks.
Schlagnworte:	  Open Access   Repository   Network of Repositories   Bibliotheks- und Informationswissenschaft   Visibility
Klassifikation:	DDC: Bibliotheks- und Informationswissenschaft (020) Sonstige: pub-type:proceeding
Datum:	22.02.2010
Format:	application/pdf
Type:	Text proceeding
Sprache:	Englisch (eng)
Identifizier:	http://edoc.hu-berlin.de/oa/conferences/reEf8CK6QUcM/PDF/25fyhehHu3mIo.pdf
Volltext:	http://edoc.hu-berlin.de/oa/conferences/reEf8CK6QUcM/PDF/25fyhehHu3mIo.pdf

Organisational approach

- Improve the coordination and collaboration between operators of documents, publication services (mainly repositories) and developers
- Promoting the DINI Certificate for Document and Publication Services
- Support for the repository community, e.g. guidelines, workshops
- Communication of the above-mentioned services by several means to the end users
- Cooperation with partners, e.g. Information platform **Open-Access.net**



Services for the German OA community

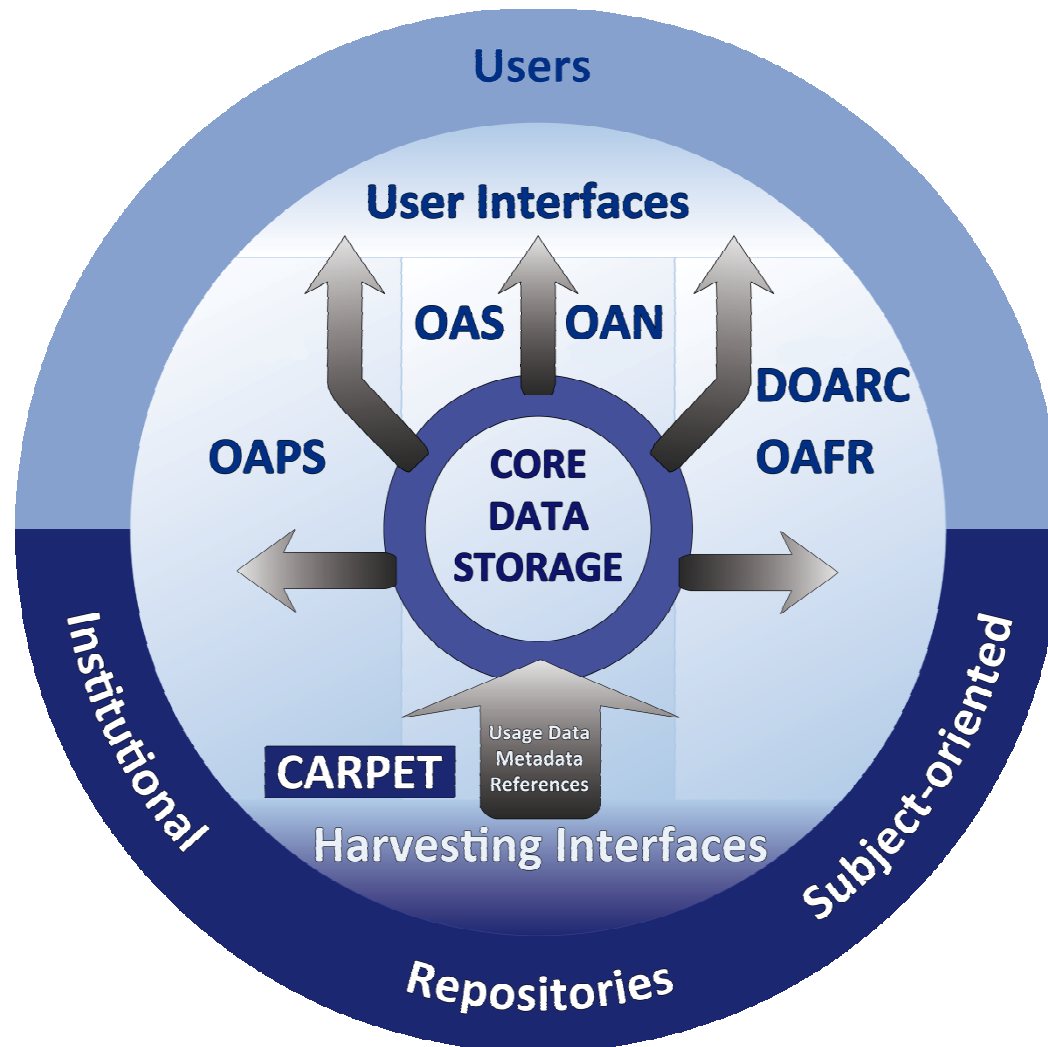
- Promoting the development and implementation of innovative competencies and technologies
- Providing enhanced search and retrieval functionalities
- Functioning as a showcase for scientific OA content
- Networking and supporting collaborations between OA projects



Collaborative use of a pool of networked repositories



Summary





Further information

- **OA-Network**
 - <http://www.dini.de/projekte/oa-netzwerk/>
- **Pilot of the OAN search**
 - <http://oansuche.open-access.net/findnbrowse/>
- **DINI certificate**
 - <http://www.dini.de/english/dini-certificate/>



Contact



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