



eSciDoc Data Repository Infrastructure in Science Trends and Practice in Europe

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The Max Planck Society (MPG – Max-Planck Gesellschaft)

- 80 institutes
 - 265 directors, 4700 Scientists, ~ 12.000 Young Academics from all over the world
- 30 locations
- Intense cooperation with universities



- Institut /
Forschungsstelle
Institutes
- Teilinstitut /
Außenstelle
*Branches,
subinstitutes*
- Sonstige
Forschungs-
einrichtung
*Other research
facilities*



distributed
organization

cooperation between
different locations is
very common

locations outside
Germany are not
shown (Nijmegen,
Florence, Rome, ...)

Fields

- diverse set of fields
 - Chemistry, Physics, Technology
 - Biology, Medicine, Brain Science
 - Law, Art, History, Cognition
- not as broad as many universities
- but more interdisciplinary

Max Planck Digital Library MPDL

- Founded in 2007
- Departments
 - Information Provision
 - Research and Development
 - Open Access
- Complemented by activities in many institutes
- Close cooperation with Institutes

eSciDoc

- eSciDoc
 - Initially Joint Project with FIZ Karlsruhe (JST is their partner in Japan)
 - Initially Funded by German Ministry
 - eResearch Environment
 - eScience Infrastructure
 - Solutions on top
 - Now Community Open Source
- Strategic Platform for Max Planck Society

Infrastructure /1: Fixed Purpose



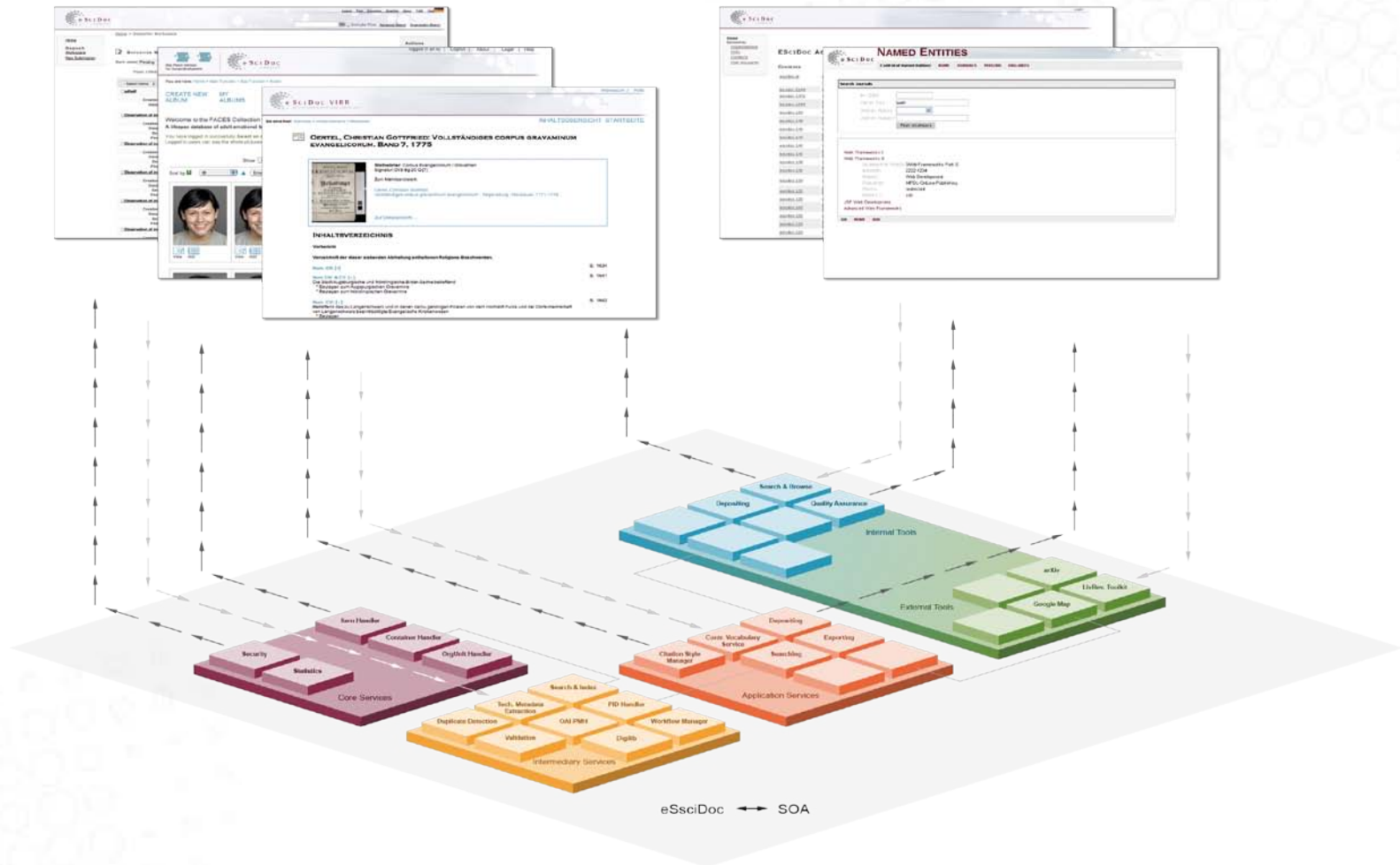
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Infrastructure /2: More flexible



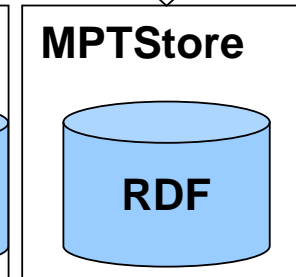
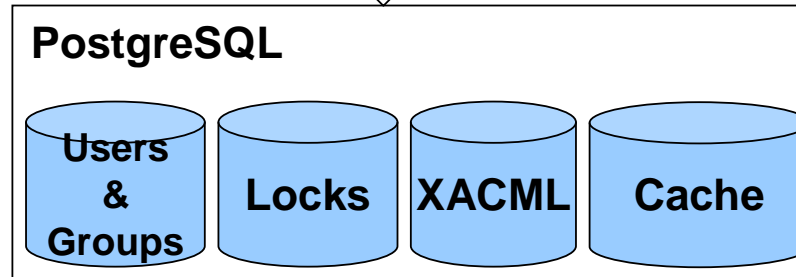
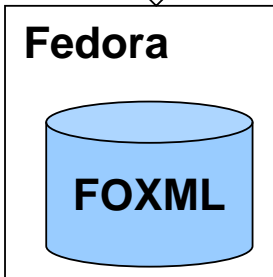
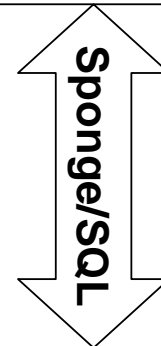
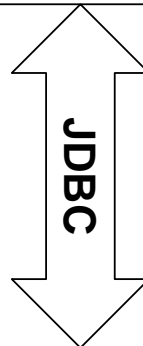
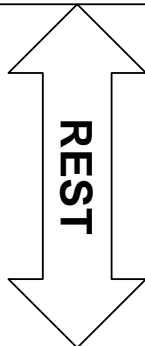
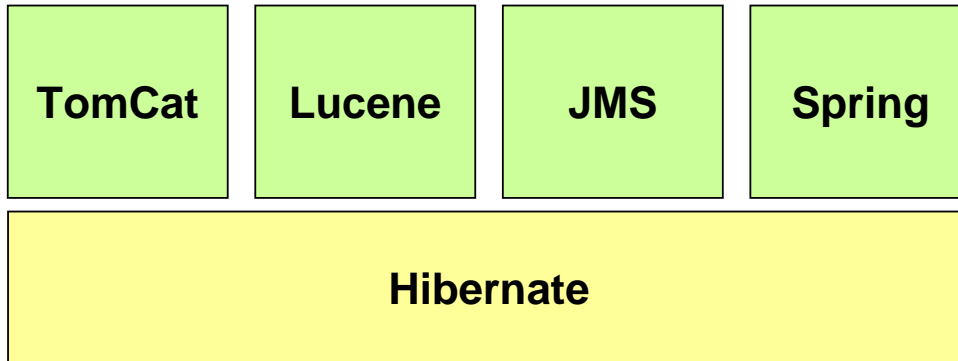
http://commons.wikimedia.org/wiki/File:Wellington_infrastructure.jpg (CC-BY 2.0)

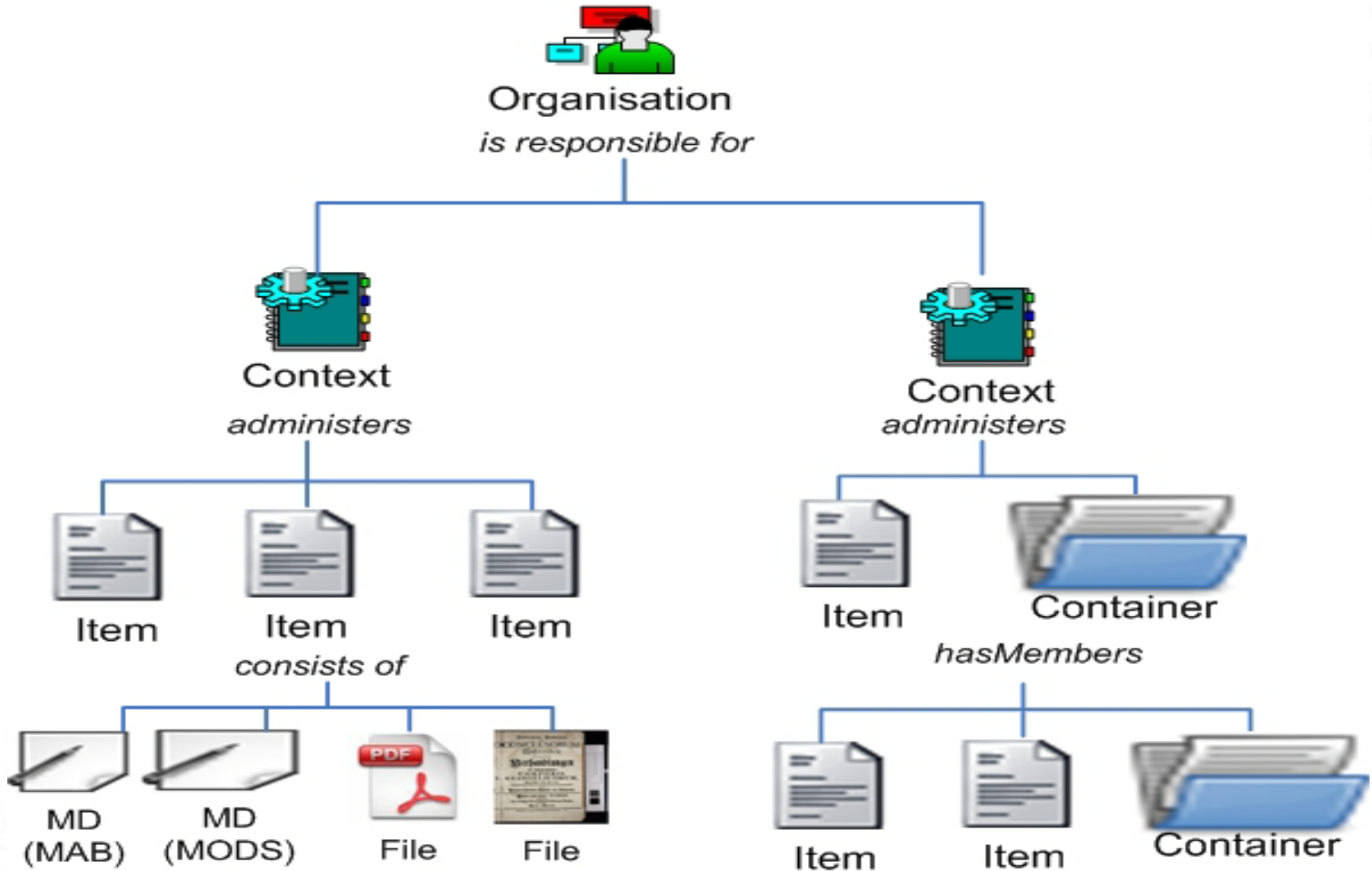
eSciDoc Architecture



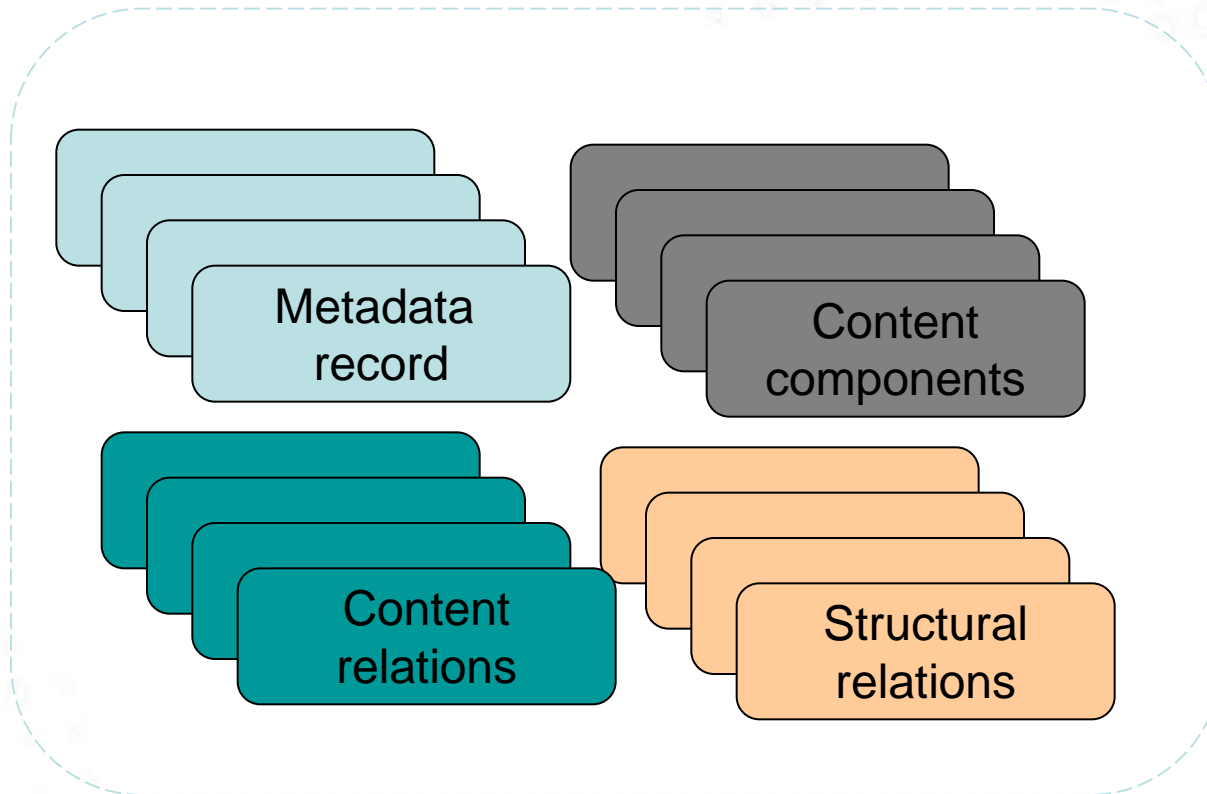
eSciDoc core infrastructure

JBoss Application Server



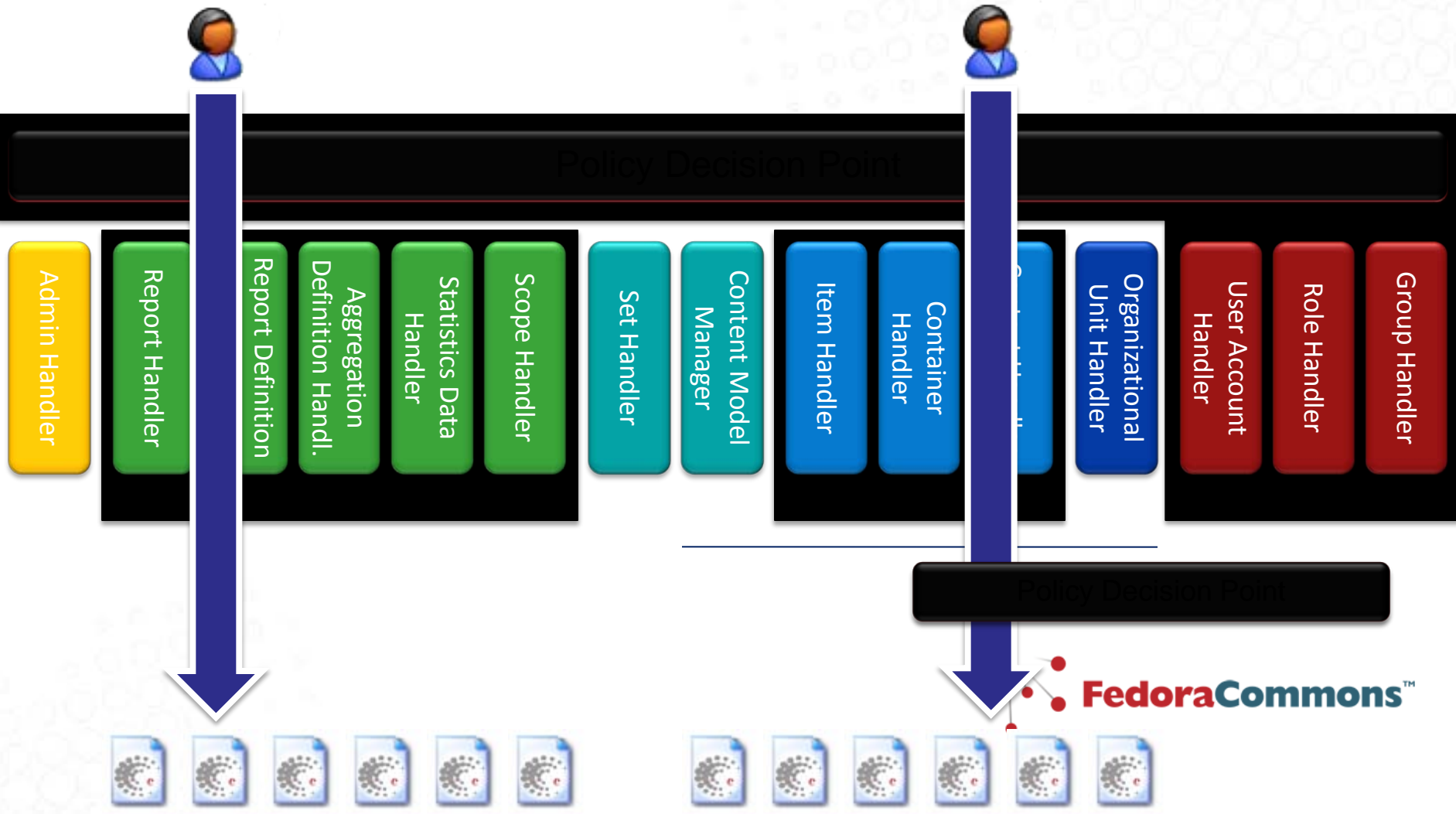


Items



- Plus: Audit Trail, Properties, Techn. MD, Context Information,.....

Core Services / Security



Solutions Online /1



The screenshot displays the eSciDoc PubMan web interface. At the top, there are navigation links: 'Einloggen', 'Über PubMan', 'Blog', 'Hilfe', and a language dropdown set to 'Deutsch'. A search bar contains the text 'Los' and a checkbox for 'Volltexte einbinden'. Below the search bar, there are links for 'Test Depositor Library', 'Logout', 'Contact us', and 'Policy&Disclaimer'.

The main content area features the eSciDoc PubMan logo and a navigation menu with links: 'ホーム', '登録一覧', '管理画面', '新規登録', and '一時保存 (0)'. Below this, there are options for '一覧表示', '絞り込み', 'ソート順変更', 'ファイル形式で保存', and '選択したアイテムを一覧表示'. A dropdown menu for '登録状況' is set to 'All (except withdrawn)'. The results show '147 件 (降順 ソート条件: 更新日)' and a pagination control showing '25' items per page and page numbers '1 | 2 | 3 | 4 | 5 | 6'.

The table below shows the search results:

登録状況	アイテムの表示項目を増やす (詳細一覧)
<input type="checkbox"/>	AstroGrid-D: Enhancing Astronomic Science with Grid T...
仮保存	詳細一覧 作者 Enke, Harry; Steinmetz, Matthias; Rad 日付 資料種別 学術論文 ファイル -

Solutions /2

Show of 14 hits

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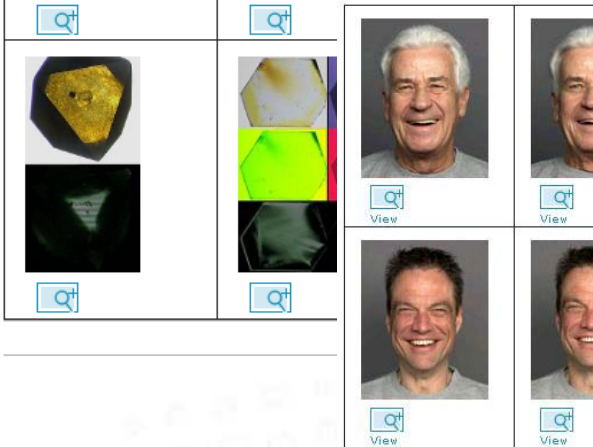
Sorted by



Revise Search Show of 12 hits

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Sorted by



View View View View View View

Revise Search Show of 1:



Project Home
Subprojects
People
Publications
Tools
News
Events

You are here: Home → Research → Research projects → Information structure in language acquisition → Publications

Information structure in language acquisition - Publications

Journal article

- Pyykkönen, P., & Järviö, J. (in press) Activation causality information in spoken language comprehension. *Psychology*. [more >](#)
- Pyykkönen, P., Matthews, D., & Järviö, J. (in press) sensitive to semantic prominence during online sp comprehension: A visual world study of pronoun re Cognitive Processes. [more >](#)
- Dimroth, C. (2008). Age effects on the process of the acquisition of negation and finiteness in L2 German. *Journal of Second Language Acquisition* 58(1), 117-150. [more >](#)
- Narasimhan, B., & Dimroth, C. (2008). Word order

Max Planck Institute for Psycholinguistics

Street address
Wundtlaan 1
6525 XD Nijmegen
The Netherlands

Reinhold von Sengbusch



About



On this website you find the publication of Reinhold von Sengbusch, Reinhold Oskar Kurland, born February 1898 in Riga; † 13 June 1982. Director at the Max Planck Institut für Psycholinguistik in Hamburg-Volksdorf and one of the researchers of the last century. In publications you can find out more about his [breeding achievements](#) and the scientific work of his institute.

Reinhold von Sengbusch began his scientific work in 1928 together with his colleagues published in the *Journal of Experimental Psychology*. His institute produced about 100 scientific articles. His institute produced about 100 scientific articles. His institute produced about 100 scientific articles.

This collection is presented by the Max Planck Society.

Save & Release Save

Hide scan Hide pagination Hide structure

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Format Start Filter

Structure

Show: Pages Titles

<input type="checkbox"/>	1:e0001	I	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2:e0002	II	<input checked="" type="checkbox"/>
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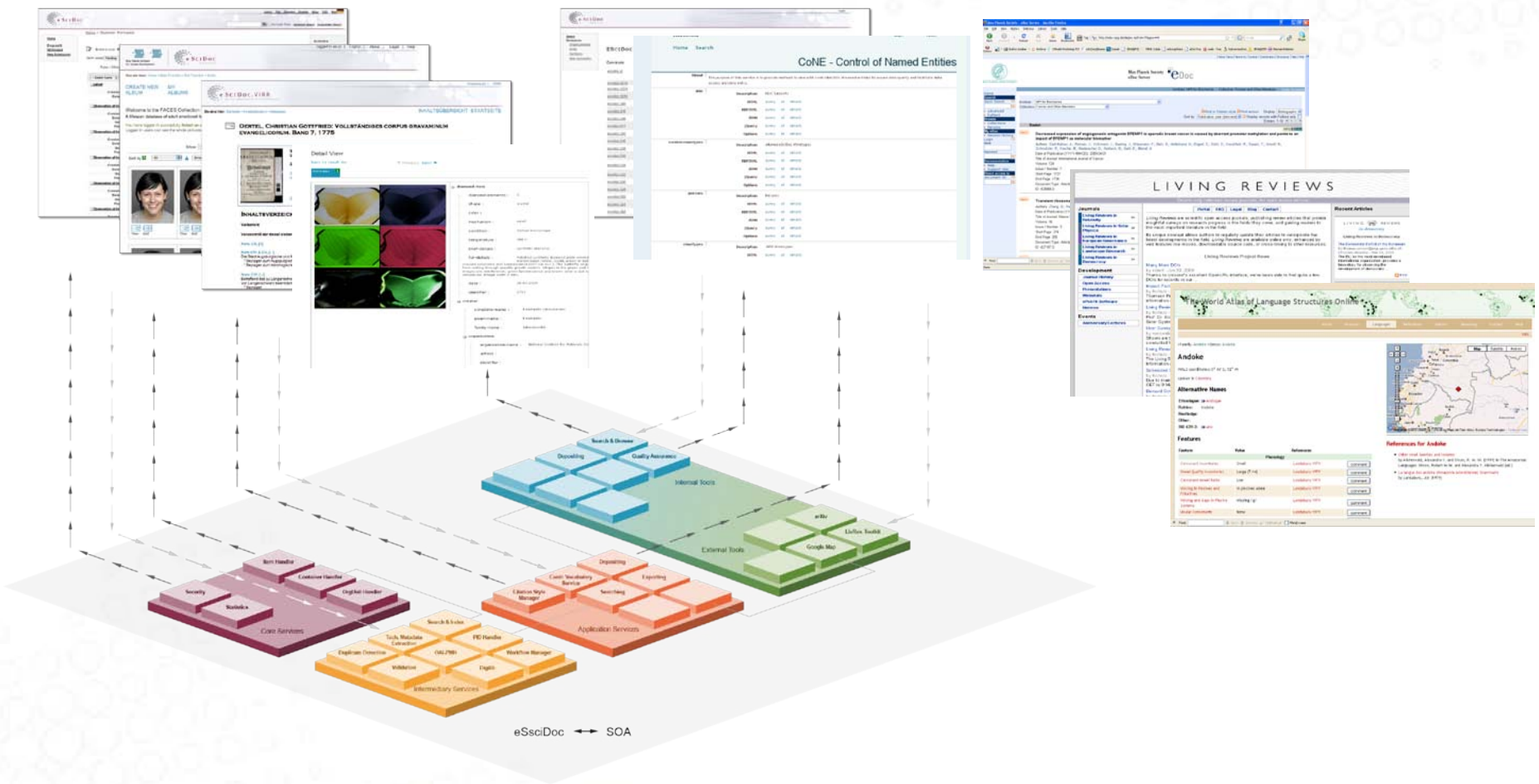
Band 1

- Index (Register) : noindex
- Chapter: noc (IV)
 - 4: v0002 (IV)
 - 5: v0003 (V)
 - 8: d0002 (VIII)
 - 9: d0003 (IX)
- Chapter (2): Test Kapitel 2 (XV)
 - 15: d0009 (XV)
 - 16: d0010 (XVI)
 - 17: d0011 (XVII)
 - 18: d0012 (XVIII)
 - 19: d0013 (XIX)
 - 20: d0014 (XX)
 - 21: d0015 (XXI)
- Chapter (3): Test Kapitel 3 (XI)
 - 11: d0005 (XI)

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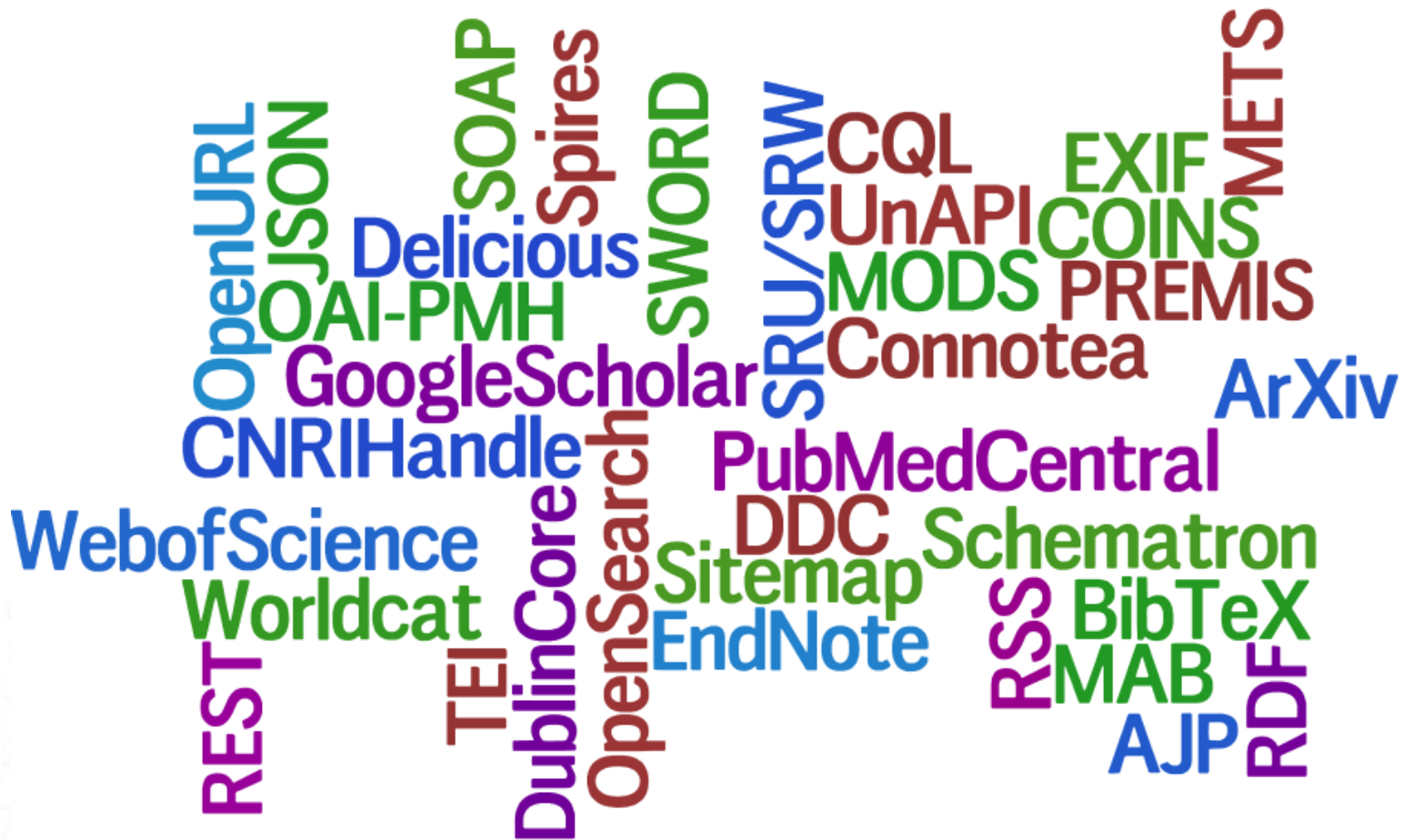
Signature Dt 9 Bg 18 Q [1]
Edt:Asc. Schausrosarth, Eberhard
Christian Wilhelm von

Building Infrastructure and Solutions





Selected Supported Protocols/Standards/Specifications



Search Result

You searched in the the whole Faces Collection for (happiness)

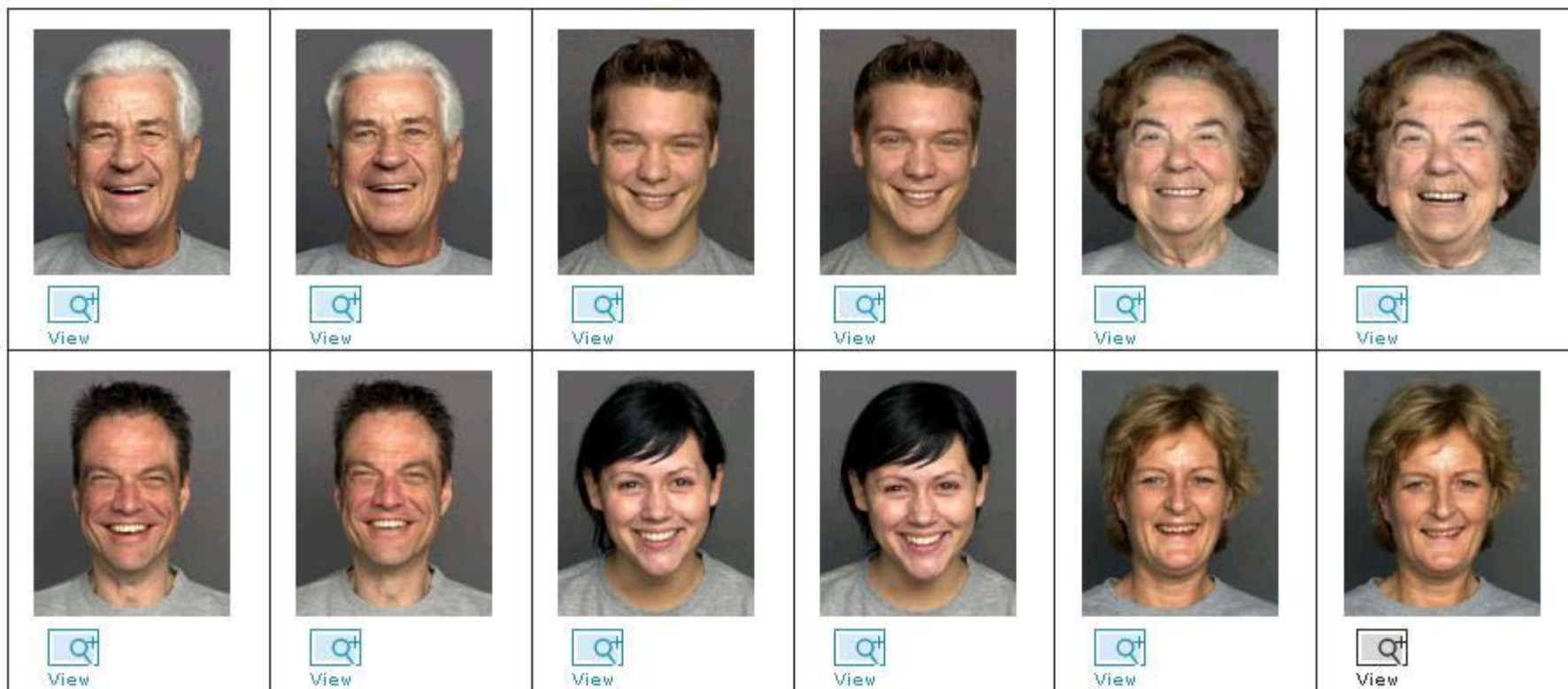
[Revise Search](#)

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Sorted by **i**



[Revise Search](#)

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Go to page of 1

Published Albums

Search in album list [Search](#)Show of 2 hits◀◀ Previous Next ▶▶Go to page of 1Sorted by ▼

Name	Number of pictures	Description	Owner	Affiliation	Date published ▼
Expression Research on Middle Aged Men	8	This album contains a selection of middle aged men with different facial expressions.	Kleinfischer, Friederike	Max Planck Digital Library	2009-03-27 at 13:49:12 CET
DEMO FACES Collection	72	This is the FACES Collection of test-faces.mpg.de	Saquet, Bastien	MPDL	2009-03-27 at 13:14:17 CET

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Browse

14 images to browse

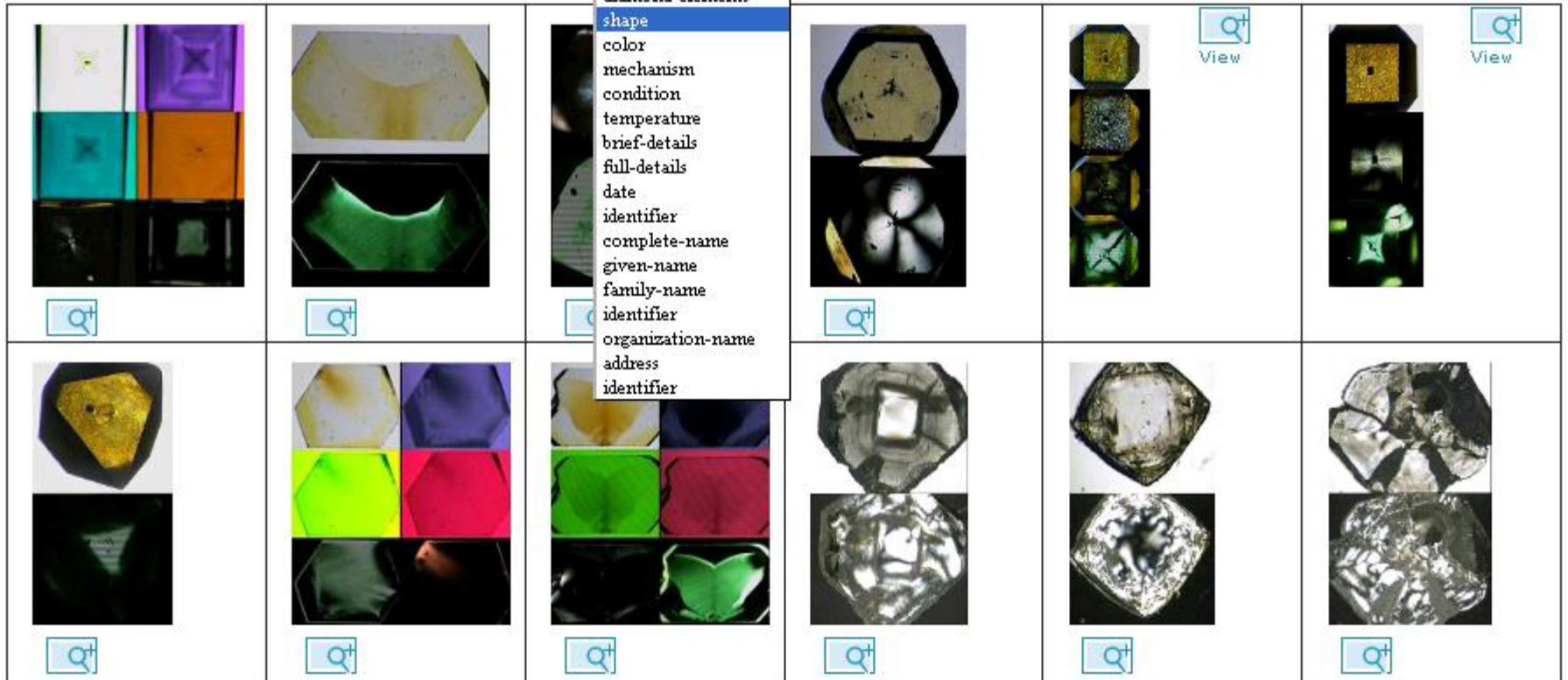
Show of 14 hits

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Sorted by **i**

- shape
- diamond-elements
- shape
- color
- mechanism
- condition
- temperature
- brief-details
- full-details
- date
- identifier
- complete-name
- given-name
- family-name
- identifier
- organization-name
- address
- identifier



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Vollständige Sammlung Aller Concluserum, Schreiben Und anderer übrigen Verhandlungen Des Hochpreißlichen Corporis Evangelicorum nnnnnn. Vol. 1, 1751

Hide scan Hide pagination Hide structure Save & Release Save

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Format Arabic Structure by Chapter Add markiertes Element/Seite Remove

Start 1 Paginate Level 1-1

Filter 1-50 Show

Show: Pages Titles

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<input type="checkbox"/>	2:e0002	II	
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Band 1

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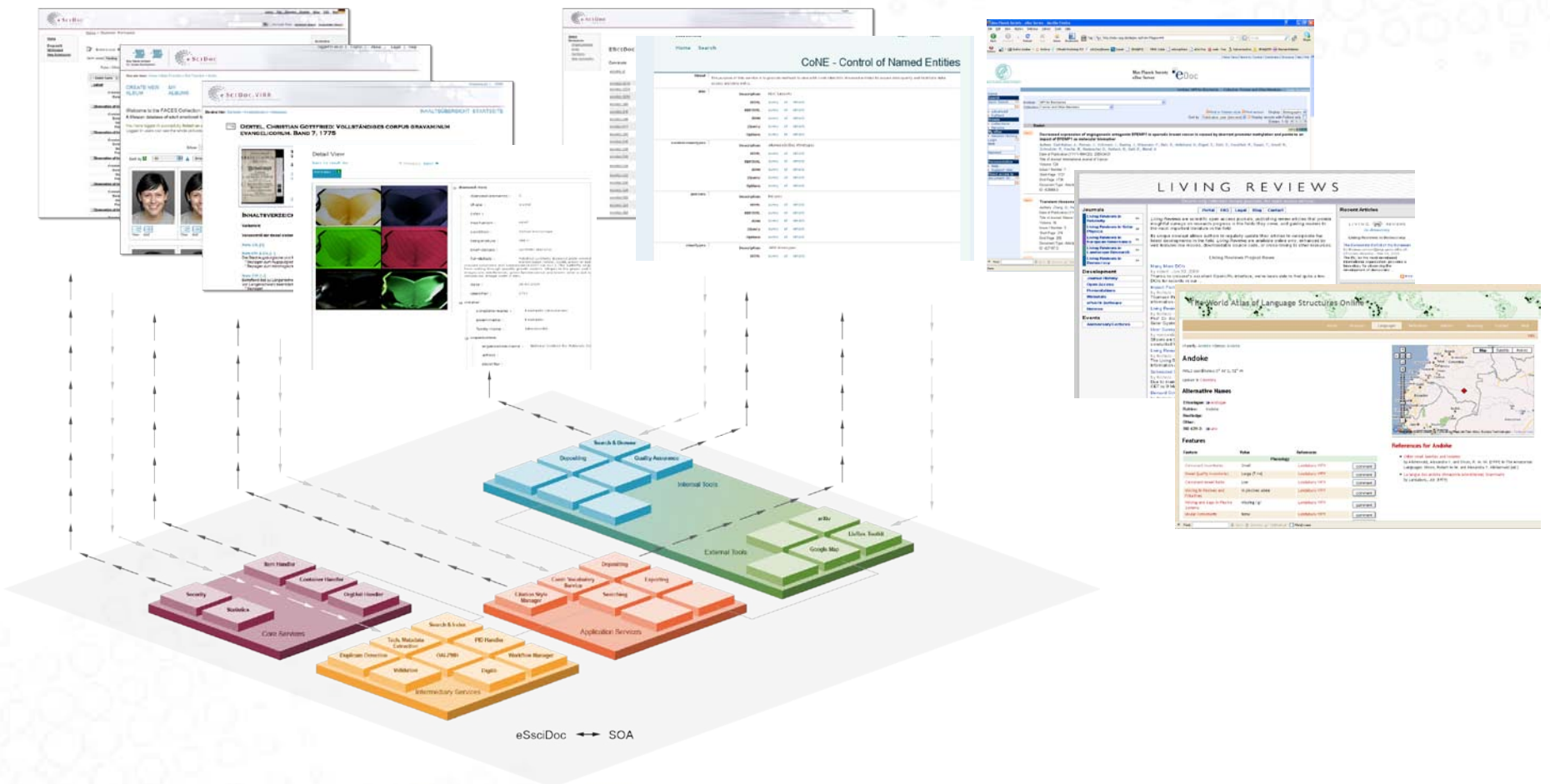
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Title Vollständige Sammlung
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übrigen Verhandlungen

Building Infrastructure and Solutions

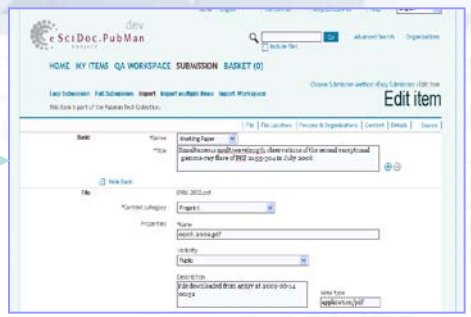


Services in action



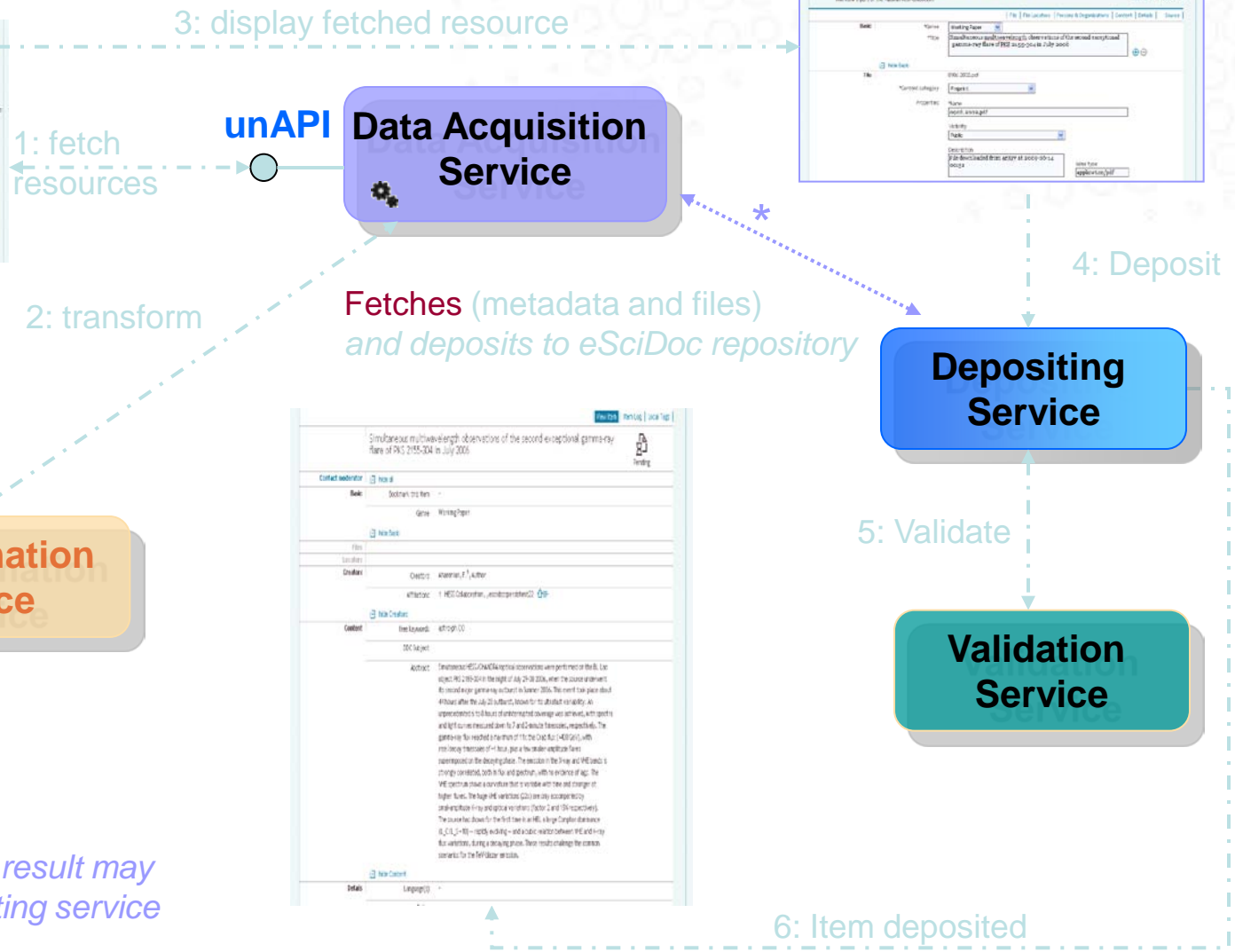
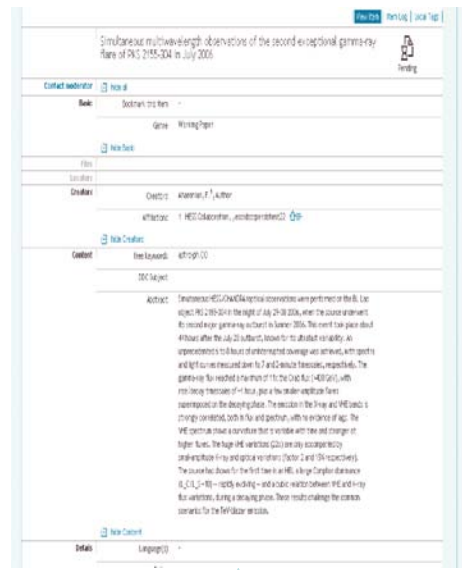
Transformation Service

unAPI Data Acquisition Service



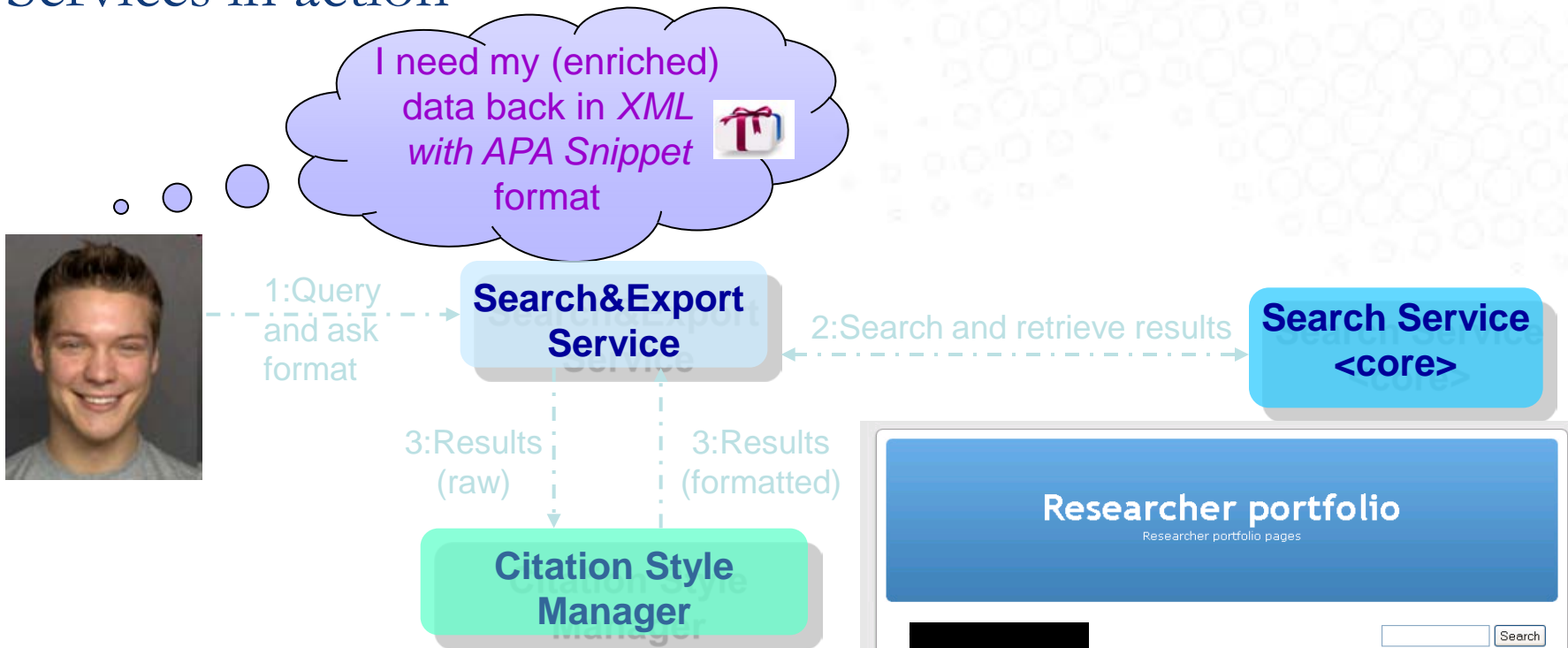
Depositing Service

Validation Service



* *Optionally, acquisition result may be forwarded to Depositing service directly*

Services in action



Search&Export: Process a (CQL) search query and delivers results in desired format

Citation style Manager: delivers bibliographic metadata formatted in a citation style (e.g. APA, AJP)

Results can be further reused in external applications, e.g. Researcher portfolio Wordpress Blog

Researcher portfolio

Researcher portfolio pages

Search

Senior Researcher
Optronic Materials Center
[National Institute for Materials Science](#)

About
Working on optical fibers being exposed to high power laser beam. Interested in digital publishing using free software, including writing light essays.
Completed my PhD in engineering at Kyoto University in 1993.
See also

- » My homepage @ geocities.jp
- » My essays @ scribd.com
- » My video works @ youtube.com



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» [Todoroki, Shin-ichi](#)

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- » [June 2006](#)
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- » [April 2005](#)
- » [January 2005](#)
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- » [May 2002](#)
- » [April 2002](#)
- » [January 2002](#)

Categories

- » [Blog \(1\)](#)

Astronomer's Workbench

- Within the astronomy community, the need for a user-centred community platform to work collaboratively with distributed research data has been identified. The project will provide a discipline-specific variant of a "scholarly workbench scenario".
- Partners:
 - Max Planck Institute for Extraterrestrial Physics (MPE)
 - Max Planck Institute for Astrophysics (MPA)
 - Max Planck Digital Library

BW-eLabs

- BW-eLabs gives access to virtual and remote experiments in the field of nano technology. Key concepts of the project include the reproducibility of experiments, discoverability of and access to primary data, and the storage and curation of all artifacts that emerge throughout the research process.
- **Project Partners**
 - University Stuttgart
 - HDM Stuttgart
 - University Freiburg
 - FIZ Karlsruhe

DARIAH

- Just like astronomers require a virtual observatory to study the stars and other distant objects in the galaxy, researchers in the arts and humanities need a digital infrastructure to get access to and join together the information and the knowledge that is embedded in digital content. The Digital Research Infrastructure for the Arts and Humanities – DARIAH – will be such an infrastructure with a European dimension. Results from eSciDoc serve for building one of the demonstrators
- Partners:
 - 14 Partners (UK, GR, DE, DK, FR, NL, CY, SI, HR, IE)

E-Kinematix

- E-Kinematix focuses on mechanical engineering, especially gearbox design. It will be based on an existing online library of gearbox design concepts. It will provide a library of calculation algorithms, tools for documenting the design process in a structured way, and a set of services supporting the collaborative aspects of the design process, which typically includes several stakeholders across institutions.
- Project Partners
 - RWTH Aachen
 - Technical University of Ilmenau
 - FIZ Karlsruhe

Micropublications

- To facilitate the collection of published description of the world's languages, the project aims to provide an integral online sourceindex of language descriptions and an online workspace to collaboratively store, access and publish interpretations of these sources.
- Partners:
 - University of Jena
 - University Leipzig
 - Max Planck Institute for Evolutionary Anthropology
 - Max Planck Digital Library

MATHEON – a research center for mathematics

- MATHEON - a **hierarchical infrastructure** for research (different levels)
- Top level: center (organizing and control)
- Basis level of MATHEON: projects
- The projects are organized in clusters corresponding to their
 - mathematical character
 - application area
- MATHEON – a distributed research center (TUB, HU, FU, WIAS, ZIB)
- MATHEON – a **dynamic infrastructure**: the projects have a lifecycle

Virtual research environments in MATHEON – What is needed?

- analyzing research processes in projects
- requirements to a virtual communication platform on project-level (MATHEON-level)
- typical Information flows

different aims:

- **building a virtual environment for research, e.g., a standardized desktop (internal)**
- organizing and managing MATHEON (internal)
- information about MATHEON for the public (the existing MATHEON Web server provides a lot of information) (external)

One important aspect:
The lifecycle of a project

- typically, at the beginning of a project in MATHEON there is a problem and an idea to solve it
- State of the art analysis of the problem: studying of existing results (proposals, ideas, publications)
- critical review of existing results (discussion, comments, meetings and conferences)
- Working plans, decisions
- Realization, implementation of ideas and control of the project



Knowledge base

Knowledge base of VirtMATHEON

- **archiving**: for existing literature (each scientist can store interesting publications here)
- **annotating** (automatically, manually): bibliographic and semantic metadata, e.g., keyphrases, classification, clustering
- **linking** (also with other types of information, e.g. , the profiles of scientists, events, software, etc.)
- **forum**: discussion, comments, conferences
- **publishing**: creating own publications (publishing function)

eSciDoc – a candidate for the knowledge base (and more)

Thanks for your attention!