

# eSciDoc, Infrastructure and Solutions for eResearch and eScience



# Repository Infrastructure

- Taking artifacts in the center of the design
- Dealing with Tradeoffs
- A Continuum
  - Archive -> Stable and longliving
  - Artifact Handling -> Enrichment and Fidelity of data
  - Working Environment -> Speed and Flexibility
- Could be solved by many specialized systems



# eSciDoc

Malte Dreyer

- A Repository Infrastructure
- An Infrastructure for Virtual Research Environments
- A Publication Infrastructure
- A Set of Services, Tools and Content Models
- An Archive
- A growing set of Solutions
- A Community project inviting others to participate

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### eSciDoc

### Interested Parties, Prospects, and Partners

- Bavarian State Library, Munich, Germany CNRS, France
- DANS, The Hague,
- Netherlands Deutsches
- Archäologisches Institut, Berlin, Germany DTU, Lyngby, Denmark
- FAO (Food and Agriculture Organization of the United Nations), Rome, Italy
- GBV, Göttingen, Germany German Center for Geosciences, Potsdam,
- Germany German National Library of Science and
- Technology, Hannover, Germany
- Humboldt University Berlin, Germany
- King's College, UK
- National Institute for Materials Science, Japan

RWTH Aachen, Germany University of Copenhagen, Denmark

Nihon University, Japan

- University of Freiburg,
- Germany University of Heidelberg,
- Germany University of Minnesota,
- USA University of Stuttgart,
- Germany
- University of Tübingen, Germany

### •All with guite different scenarios and data

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### Infrastructure

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M. Dreve

MAX PLANCK digital library eSciDoc Infrastructure discipline-specific organization identification econtexts planning associated associated plancing individual services plancing individual services plancing econtexts individual services systems Digital application sciences work entitie also esearch tools technical Requirements entities information available resourcesapplications



## Infrastructure /1: Fixed Purpose



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# Infrastructure /2: More flexible

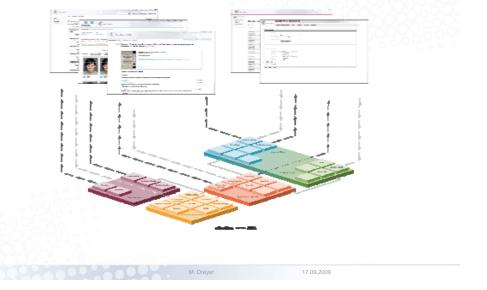


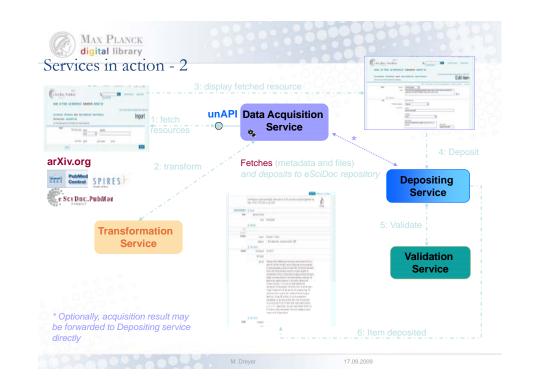
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## eSciDoc Architecture











MAX PLANCK digital library

Solutions and buildings blocks for ....

- Publications
  - Repository Matrix
- Images
- Digitized Textual Resources

feature	PubMan	eDoc	D5pace	EPrints	OPUS
Volume Import for Metadata <sup>90</sup>	+	+	+	+	+
Sigilar from existing SHL	+	-		+	-
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SYSTEM MANAGEMENT					
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furture assigned Pastoords		-	+	+	+
Char help had Passwords	+	+	+	+	
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8.2 Content Submission Administration		1.00			0.00
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Set different Submission Parameters for each Callection <sup>120</sup>	+		+	+	-
8.3 Submission Support					
Ernal Austriantian for United	-	-	Subrothers Content Automation	Subrideas Content Advancement	Subridaria Control Aproximation

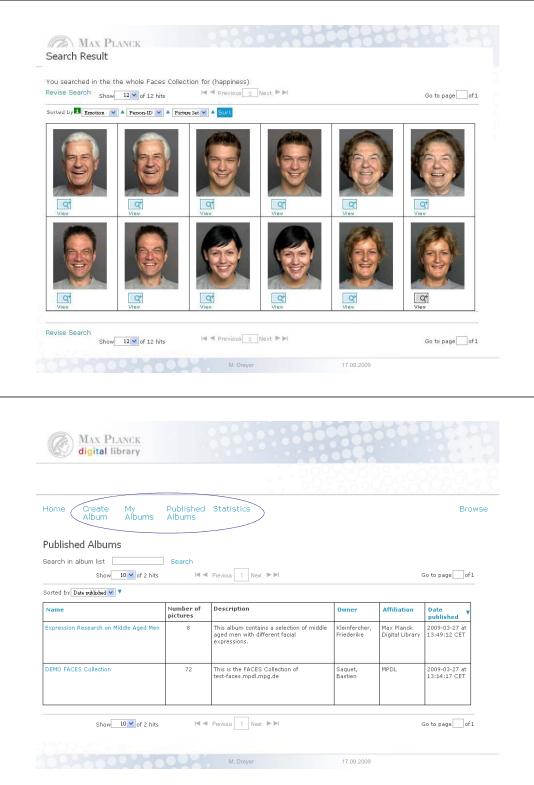


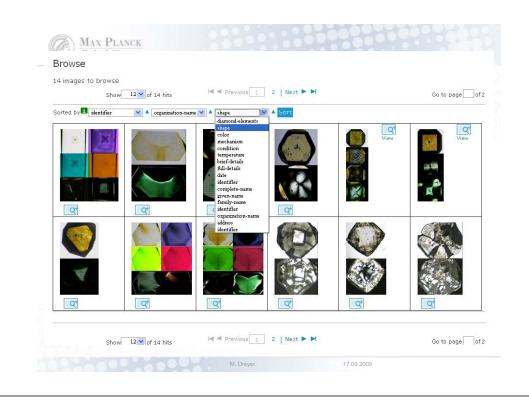
## Selected Supported Protocols/Standards/Specifications



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### MAX PLANCK digital library

# Beyond publication repositories

- Create a continuum of publication and research data
- Transfer the idea of publishing also to data
- Integrating data publications within an institutional repository
- Have data and their aggregations citable in a stable way
- Prepare the repository to know more about data specifics

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