

# eResearch-Plattform

A cloud-based research platform for the management and presentation of research data and results. It integrates various services and tools to support the entire research lifecycle.

The platform includes:

- Core Services:** Research Data Management, Publishing, Archiving, User Management, and Web Design.
- Content Management:** CMS, DBMS, Analytics, eLearning, Extensions, Backup, Design, Anforderungskatalog, CSS3, eSciDocce, Feed, Forschungsumgebung, HUgebung, Imeji, FAQ, GND.
- Collaboration and Social:** EDV, Google, Facebook, Datenschutz, Entwicklung, Arbeitsumgebung, ContentManagement, Applikationsplattform, Langzeitarchivierung, Blog, Datenbankmanagementsystem, Modifizierung, eLearning, Forschungsdatenmanagement, Extensions, Backup, Design, Anforderungskatalog, CSS3, eSciDocce, Feed, Forschungsumgebung, HUgebung, Imeji, FAQ, GND.
- Infrastructure and Tools:** HTML5, JavaScript, Konfiguration, IKB, Java, Piwik, Prototyp, PubMan, OpenData, Präsentation, Performance, Re-Design, OpenAccess, Modellierung, Restrukturierung, URL, Metadatenmodell, Linux-RootVServer, Forschungsserver, MPDL, RSS, Plugins, Software-Umgebung, Status-Quo, Umsetzung, Repository, SOA, Theme, WordPress, Websites, Verwaltung, XML, virtuelle-Serverumgebung, UserManagement, WebDesign, Usability, Thesaurus, Solutions, Tutorial, Twitter, RDF, Sicherung, Web-Plattform, XHTMML.
- Media and Media Management:** EDV, Datensatz, Archivierung, Anpassung, Analytics, Dokumentation, Entwicklung, Arbeitsumgebung, ContentManagement, Applikationsplattform, Langzeitarchivierung, Blog, Datenbankmanagementsystem, Modifizierung, eLearning, Forschungsdatenmanagement, Extensions, Backup, Design, Anforderungskatalog, CSS3, eSciDocce, Feed, Forschungsumgebung, HUgebung, Imeji, FAQ, GND.
- Research Support:** CDN, Administration, API, Datenbestände, Archivierung, Anpassung, CMS, DBMS, Datenschutz, Entwicklung, Arbeitsumgebung, ContentManagement, Applikationsplattform, Langzeitarchivierung, Blog, Datenbankmanagementsystem, Modifizierung, eLearning, Forschungsdatenmanagement, Extensions, Backup, Design, Anforderungskatalog, CSS3, eSciDocce, Feed, Forschungsumgebung, HUgebung, Imeji, FAQ, GND.



**IKB**

**Imago**

**REQUIEM**

**KBV-Peirce**

**kunsttexte**

- Sicherstellung der langfristigen Verfügbarkeit aktueller und ehemaliger Drittmittelprojekte (Open Access und Langzeitarchivierung von Forschungsdatenbeständen)
- Verbesserte Administrierbarkeit vereinheitlichter und standardisierter Systeme
- Webbasierte Arbeits- und Präsentationsumgebung für Kunsthistoriker und Verbundprojekte
- Verwendung von maßgeschneiderten Open Source Lösungen

## Neue Forschungsinfrastruktur am Institut für Kunst- und Bildgeschichte

**Pixtura**

**WEL / GKNS**

**SFB 644 - B4**

**Goldschmidt**



**eSciDoc**  
enabling eResearch



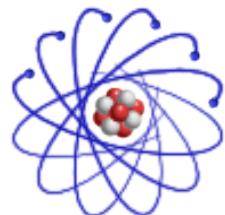
**WORDPRESS**

# Neue Informationsinfrastruktur / eScience Plattform am IKB

eResearch-Plattform  
Virtuelle Forschungs- und  
Entwicklungsumgebung

- Open Source
- Open Access
- Open Data

Web- und Applikationsplattform  
Präsentationsumgebung



## IKB - Forschungs- und Entwicklungsumgebung

Für die Umsetzung des neuen, webbasierten Datenbankmanagementsystems der kunsthistorischen Bilddatenbank "Imago\_Mediathek" mit **eSciDoc-imeji**. Langzeitarchivierung von Sammlungsdatenbeständen mit **Fedora** Repository.

**VM-Konfiguration:** KVM - Scientific Linux (SL) 6.1, eSciDoc Infrastructure 1.4, imeji

**Testserver - eSciDoc-imeji:**  
<http://imeji-mediathek.de>

**IKB - Projekt Dokumentation und Information**  
<http://www2.hu-berlin.de/mediathek/wiki/>

## IKB - Web- und Applikationsplattform

Für die webbasierte Präsentation und Verwaltung laufender und abgeschlossener Forschungsprojekte sowie der Homepage des IKB mit dem Open Source Redaktionssystem / CMS **WordPress** und individueller Anwendungen / Individualsoftware.

**VM-Konfiguration:** OpenVZ - Debian GNU/Linux 5.0 Lenny, ISP-Config 2, LAMP, WordPress, Piwik-Analytics

**Projektwebsites und Datenbanken:**  
IKB-Homepage, Kolleg-Forschergruppe „Bildakt und Verkörperung“, REQUIEM - Die römischen Papst- und Kardinalsgräber der frühen Neuzeit, Fachbibliographie zur Architektur in tschechischen Fachzeitschriften 1897-1939, San Isidoro de León, Adolph-Goldschmidt-Zentrum, Filmszenographie, Perspektiven der Bildforschung, ...



# Bildanalyse / Erschließung

## textuelle Erschließung

Metadaten  
(imeji)

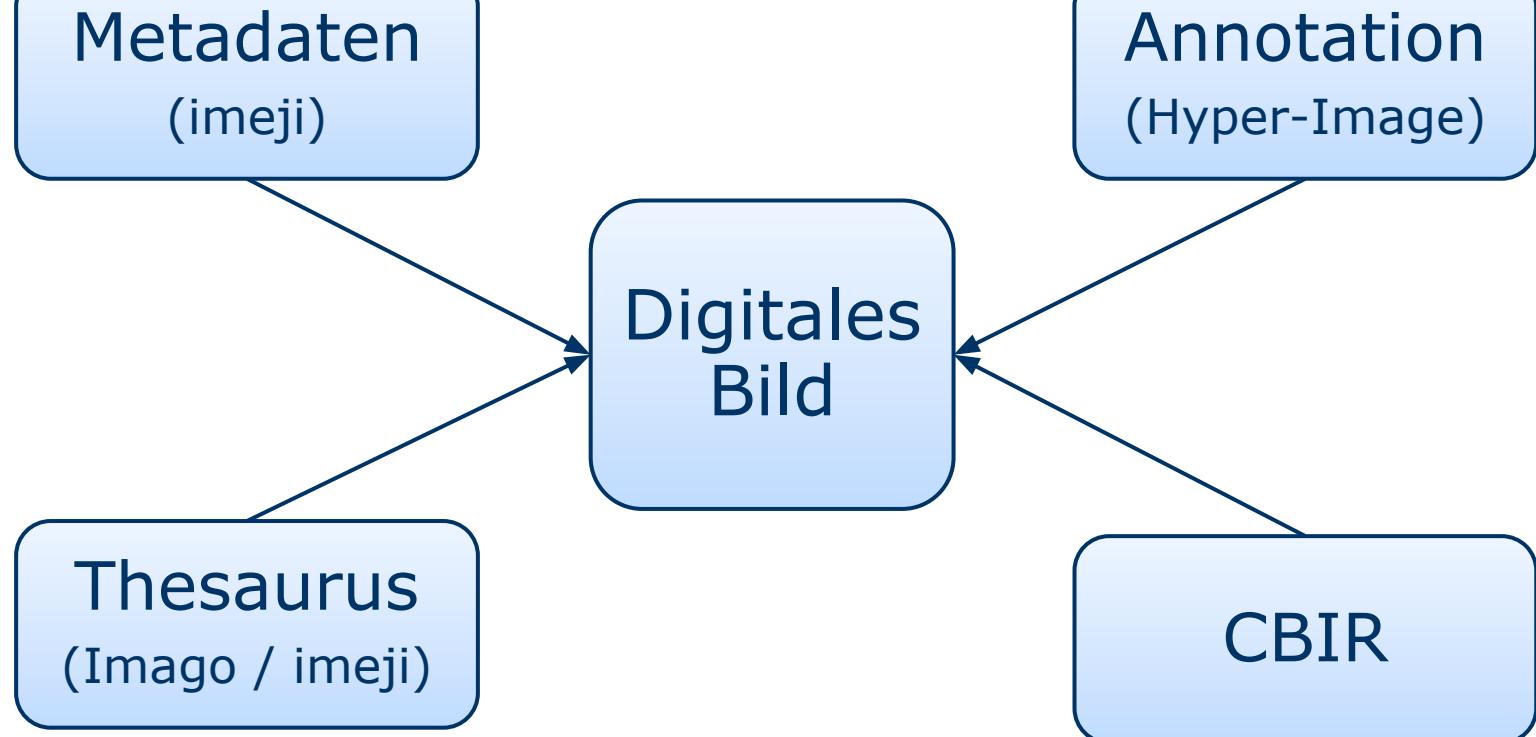
Thesaurus  
(Imago / imeji)

Digitales  
Bild

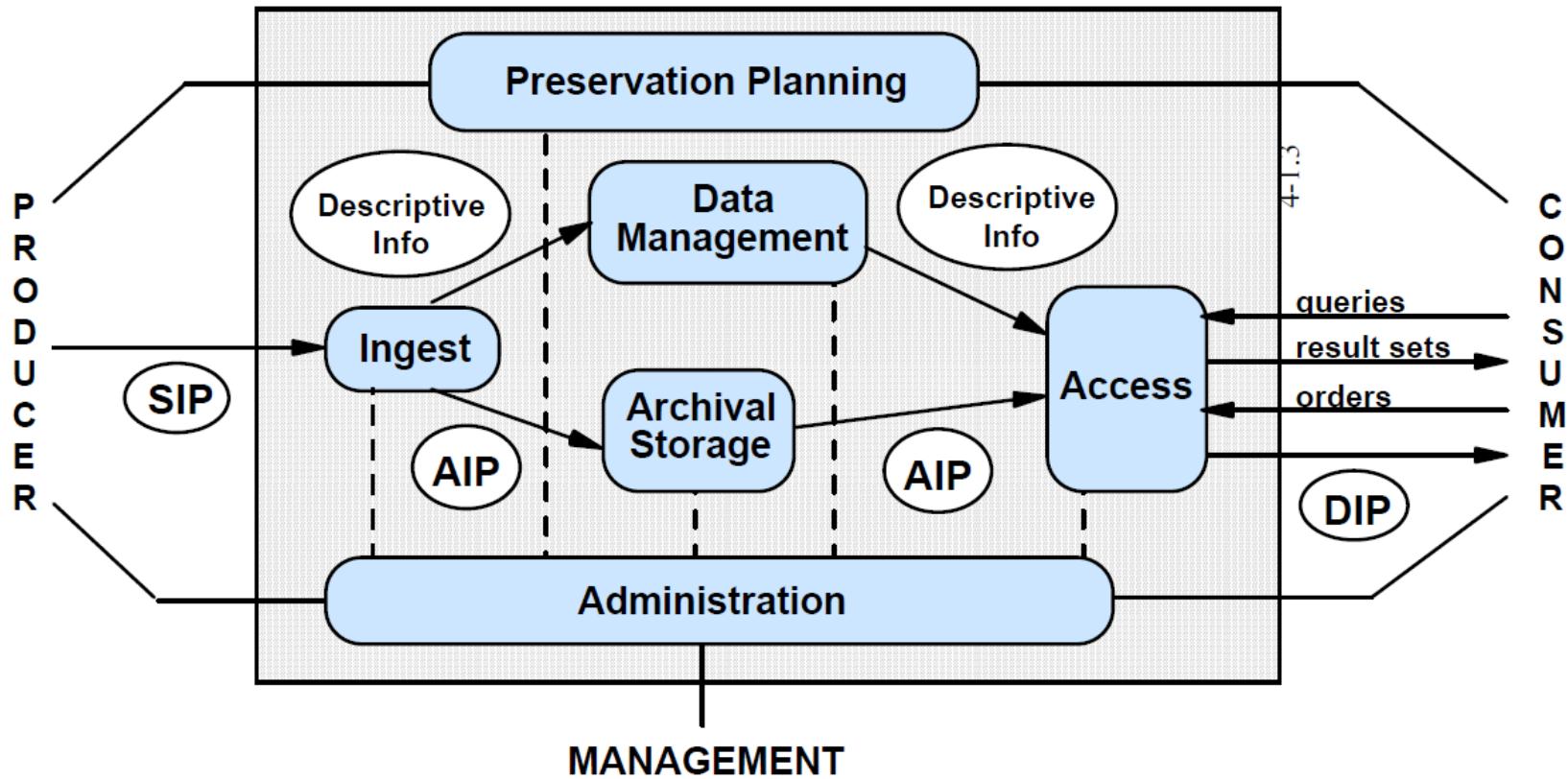
## visuelle Erschließung

Annotation  
(Hyper-Image)

CBIR

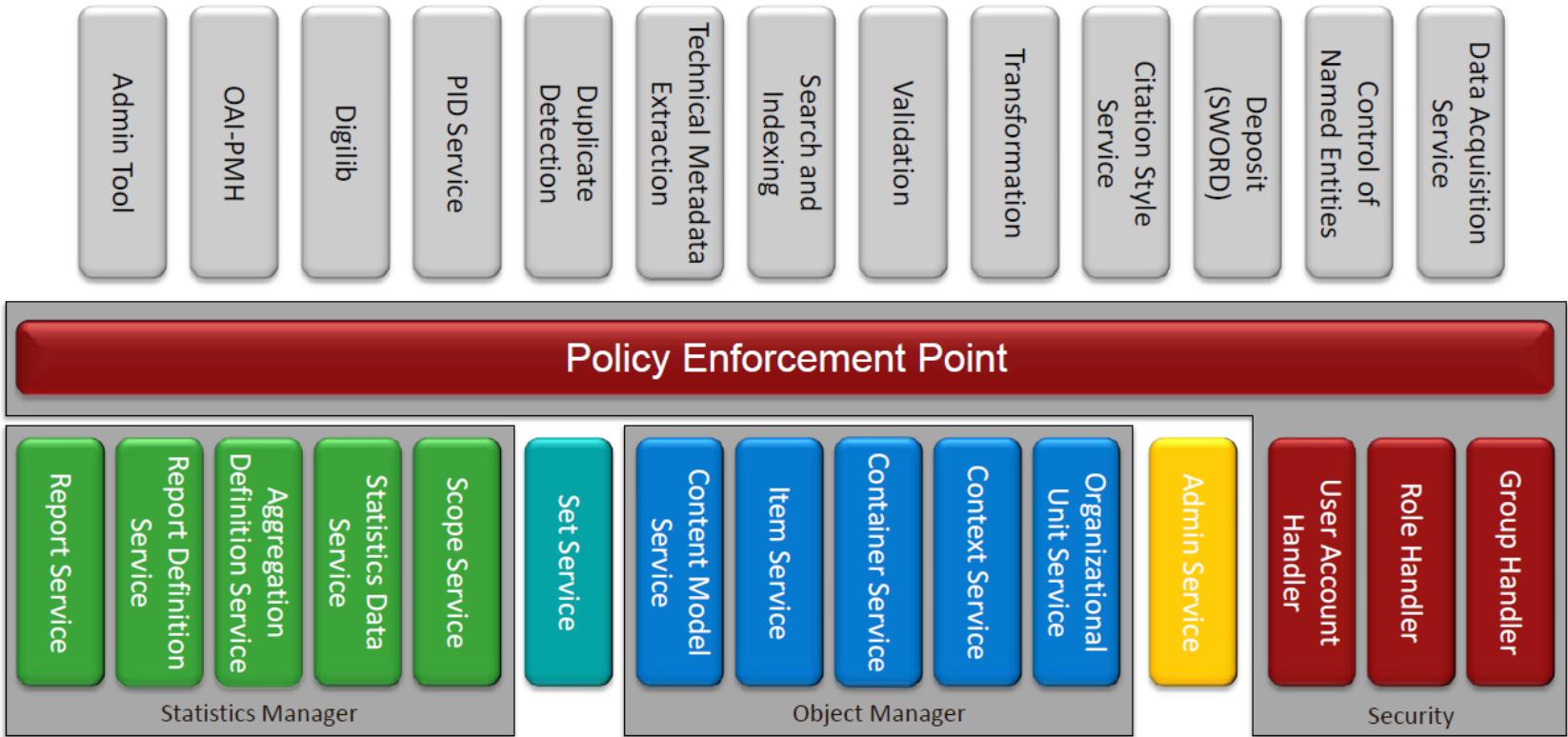


# Anforderungen an ein digitales Archiv



**Prozessmodell des OAIS-Referenzmodells**  
(Quelle: OAIS-Referenzmodell BlueBook)

# eSciDoc SOA



**eSciDoc Infrastruktur und eSciDoc Dienste**

# Testserver - eSciDoc-imeji

## <http://imeji-mediathek.de>

Mediathek Logout Help English ▾

imeji HUMBOLDT-UNIVERSITY OF BERLIN

HOME IMAGES COLLECTIONS ALBUMS

Collection Startpage View images Collection metadata Image Upload  
Share collection Publish Delete

Imeji Mediathek

History: Collection id 5 / Images of collection id 5 / Infos of collection id 5 / Collections / Collection id 5 /



View all images of the collection

Imeji Mediathek  
Bilddatenbank des Instituts für Kunst- und Bildgeschichte

# imeji-Testserver

## Imago/imeji Metadatenprofil

## Webbasierte Metadaten Bearbeitung

## Flexible Metadaten Templates

Mediathek Logout Help English ▾

imeji HUMBOLDT-UNIVERSITY ZU BERLIN, GERMANY

HOME IMAGES COLLECTIONS ALBUMS

### Edit Imeji Mediathek

Collection Startpage View images Collection metadata Image Upload

**Metadata Profile**

Title

Metadata multiple  Use as image caption

Type Number Label Kunstwerk\_ID de - Germ:

Metadata multiple  Use as image caption

Type Text Label Titel de - Germ:

Metadata multiple  Use as image caption

Type Text Label Mhf-Dateiname de - Germ:

Metadata multiple  Use as image caption

Type Text Label Künstler\_Status\_Urheber de - Germ:

Constraints VG-Bildkunst   gemeinfrei

## Images

imeji allows an easy and efficient upload of images through the web browser.



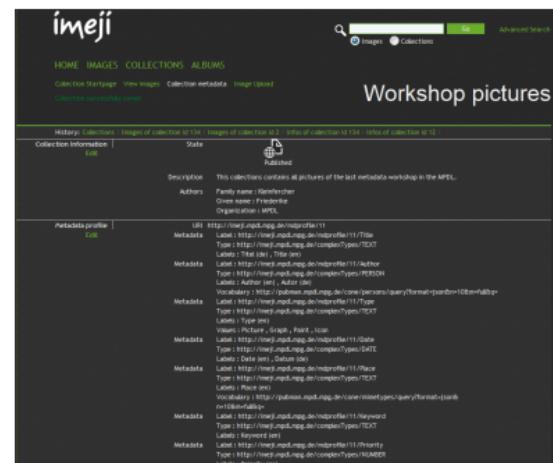
The screenshot shows the 'Images' section of the imeji interface. At the top, there are navigation links for HOME, IMAGES, COLLECTIONS, and ALBUMS. A search bar is present with the text 'Images' and a dropdown menu set to 'Collections'. Below the search bar, there are buttons for 'Advanced Search' and 'Image Upload'. The main area displays a grid of 10 image thumbnails with their respective titles: 'Some punaise strawberries', 'Some wall', 'Nice lamp', 'Flower', 'Penguins', 'Giraffe', 'Koala', 'Astraea', 'Flower', 'Desert', and 'Flower'. Below the grid, there are pagination controls ('18 per page', '144 previous', '1 next', '0 in 1') and a 'go to page' input field.

## Collections

All pictures within imeji are grouped in collections. Each collection can possess its own metadata profile.

Collections are kept private per default but they also can be published on the web to make them visible and reusable by other researchers around the world.

A collection has exactly one metadata profile.

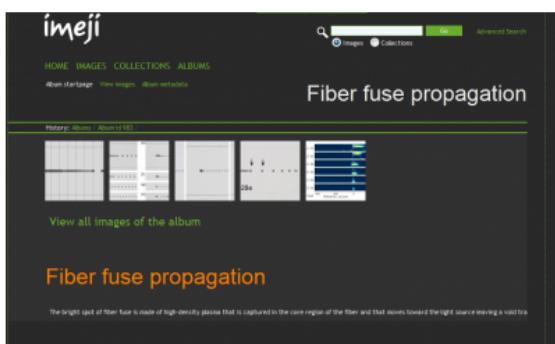


The screenshot shows the 'Collection Startpage' for a collection titled 'Workshop pictures'. The top navigation bar includes 'HOME', 'IMAGES', 'COLLECTIONS', 'ALBUMS', 'Collection Startpage', 'View Images', 'Collection metadata', and 'Image Upload'. Below the navigation, there are links for 'Collection Information' and 'State'. The 'Collection Information' section contains a detailed list of metadata entries under the heading 'Metadata profile'. These entries include various labels and types such as 'Label : http://www.w3.org/2000/01/rdf-schema#label', 'Type : http://www.w3.org/2002/07/owl#Class', and 'Label : http://www.w3.org/2000/01/rdf-schema#label'. The 'State' section indicates the collection is 'Published'. The bottom of the page shows a history of changes: 'History: Images of collection id 134 / Images of collection id 134 : info of collection id 134 / info of collection id 134'.

## Albums

For the re-use of images in publications or for the illustration of certain research questions, albums can be created in imeji. Albums are similar to photo albums in the non-digitalized world and are subsets of the content of imeji.

An album can contain pictures from several collections. Therefore images within one album can have different metadata profiles.



The screenshot shows the 'Album Startpage' for an album titled 'Fiber fuse propagation'. The top navigation bar includes 'HOME', 'IMAGES', 'COLLECTIONS', 'ALBUMS', 'Album Startpage', 'View Images', and 'Album metadata'. The main content area displays a grid of images related to fiber fuse propagation. Below the grid, there is a section titled 'Fiber fuse propagation' with a descriptive text: 'The bright spot of fiber fuse is made of high-density plasma that is captured in the core region of the fiber and that moves toward the light source leaving a void tra...'. At the bottom, there is a link 'View all Images of the album'.

## Collaboration

imeji provides locking mechanism down to picture level to enable secure collaborative work. When someone tries to edit a locked item, an information message will be displayed. To avoid confusion when more than one user tries to edit the metadata of the same picture(s) at the same time, the system takes care that always the newest version of the pictures and its metadata is displayed. And this will be the only version that is editable.



The screenshot shows the 'Collection Startpage' for a collection. The top navigation bar includes 'HOME', 'IMAGES', 'COLLECTIONS', 'ALBUMS', 'Collection Startpage', 'View Images', 'Collection metadata', and 'Image Upload'. Below the navigation, there is a 'Share with' field containing 'saquet@mpdl.mpg.de' and a dropdown menu set to 'Collection editor'. The bottom of the page shows a history of changes: 'History: Images of album id 16 / Albums / Collections / Collection id 134 /'. Below the history, there are four image thumbnails: a red lantern, a sign reading 'NGAY C KH C BTON 0906027023', a bowl of strawberries, and a green object.

# imeji - Bildsammlungen

HOME IMAGES COLLECTIONS ALBUMS

SORTING  
Sort by Modification Date ▾

## Collections

10 per page |◀◀ Previous | 1 | Next ▶▶| go to page 1 of 1

History: Image id 4083 / Images of collection id 4073 / Collections / Collection id 2807 / Collections / All (8)

State	Medium view (All collections)
Published	<b>imeiжи Screenshots</b> Creator(s) Friederike Kleinfercher Description This collection will contain screenshots of the imeji solution. Free to use for presentations, poste... Images 12 View images View metadata Creation date Thu Apr 19 11:16:31 CEST 2012 Last modification date Thu Apr 19 11:24:11 CEST 2012 Date published Thu Apr 19 11:23:59 CEST 2012
Published	<b>Test 2 Kristina</b> Creator(s) koller kristina Description Images 5 View images View metadata
Published	<b>Faces</b> Creator(s) Faces Description What is FACES? FACES is a set of images of naturalistic faces of 171 younger (n = 58), middle-age... Images 72 View images View metadata

imeji – Verwaltung der Bildsammlungen

# imeji - Metadatenprofile

Metadata Profile | Title Bauhaus Architektur Metadata Profil

Metadata multiple  Use as image caption

Type Person Label Fotograf de - German

Metadata multiple  Use as image caption

Type Geolocation Label Ort des Objektes de - German

Metadata multiple  Use as image caption

Type Person Label Architekt de - German

Metadata multiple  Use as image caption

Type Text Label Bildtitel de - German

Metadata multiple  Use as image caption

Type Date Label Datum der Aufnahme de - German

imeji – Metadatenprofil editieren

# imeji - Ingest

The screenshot shows the imeji Ingest interface. At the top, there is a navigation bar with links for 'HOME', 'IMAGES', 'COLLECTIONS', and 'ALBUMS'. Below this, a search bar with a magnifying glass icon and a 'Go' button is present, along with 'Advanced Search' and 'Images' / 'Collections' options. The main content area has a title 'Bauhaus Architektur'. A horizontal line separates the header from the main content. Below the line, the text 'History: Upload in collection id 181 / Upload in collection id 179 / Collections / Collection id 181 / Upload in collection id 181 /' is displayed. A large central window titled 'Select files' contains the instruction 'Add files to the upload queue and click the start button.' It features a table with columns for 'Filename', 'Size', and 'Status'. A placeholder text 'Drag files here.' is shown above a thumbnail image of a building. Below the thumbnail is a blue button labeled '→ Verschieben'. At the bottom of the window, there are buttons for 'Add files' and 'Start upload', and status indicators showing '0 b' and '0%'. The overall background is dark.

imeji – Bilder Einfügen per Drag & Drop

# imeji – Metadaten Editieren

## Edit Images

Active album: Bauhaus Architektur in Berlin (3)

History: Album id 193 / Collections / Collection id 181 / Images of collection id 181 / Edit images /

Select metadata element

Fotograf

Family name

Given name

Alternative name

Identifier

Organization

Add to all

Add only when value is empty

Overwrite all values

Clear all

Reset changes

Cancel

Save



Fotograf (en)

Family name

Schulz

Given name

Lienhard

Alternative name

Identifier

Organization



Fotograf (en)

Family name

Sander

Given name

Michael

# imeji – Access – Textuelle Erschließung

HOME IMAGES COLLECTIONS ALBUMS

Advanced Search for images | Advanced Search

History: Advanced Search / Images of collection id 968 / Advanced Search / Images of collection id 968 / Advanced Search / Advanced Search /

Search metadata

Collection	Fiber Fuse	+ -	
Metadata	Title	Value Microscopic	+ -
and		+ -	
Metadata	Description	Value view	+ -
not		+ -	
Metadata	Date of image editing	Example: YYYY-MM-DD 2005-1-01	+ -

OR

Collection	imeji Screenshots	+ -	
Metadata	Title	Value Album	+ -

The screenshot shows the 'Advanced Search' interface for the 'imeji' system. The search query is defined by two main sections separated by an 'OR'. The first section, under 'Collection', filters for 'Fiber Fuse'. Within this collection, it uses an 'and' operator to find images where the 'Title' is 'Microscopic' and the 'Description' is 'view'. It also includes a date range filter for 'Date of image editing' from '2005-1-01' to '2005-1-01'. The second section, under 'OR', filters for images in the 'imeji Screenshots' collection where the 'Title' is 'Album'. At the bottom, there are buttons for clearing values, initializing the search, and performing the search.

## imeji – Erweiterte Suche

# imeji – Access – Visuelle Erschließung

Sort by **Creation Date** ▼ Export metadata

18 per page |◀◀ Previous | 1 | Next ▶▶| go to page **1** of 1

History: Home / Images / All (11)

The screenshot shows a dark-themed user interface for the imeji application. At the top, there's a header with the title "imeji – Access – Visuelle Erschließung". Below the header, there are sorting and export options. The main area displays a grid of 11 images, each with a caption below it. The images include strawberries, a wall with text, lanterns, tulips, penguins, a castle, a koala, a medusa, flowers, and a desert landscape. At the bottom, there's a footer with navigation links for various data types.

Image	Caption
	Some yummy strawberries
	Some wall
	Nice lamps
	Flower
	Pinguin
	Castle
	Koala
	Medusa
	Flower
	Desert
	Flower

Person (8) | Text (11) | Number(6) | Date(11) | License(8) | Geolocation(8) | URI(8)

## imeji – Auflistung der Bilder

# Imago Thesaurus

Imago - Unbenannt

Objekte Aktionsbereich Modus Schlagwörter Einstellungen Ansicht ? Benutzer Administration

Ordner Schlagwörter Abfrage Zuordnen Aufnahme Info Suche Leuchtpult Zoom Info Beziehungen Arbeitsmappen

Objekte gefunden: 30

Künstlerische Gestaltung  
Ornament  
Tierförmiges Ornament  
Löwe  
Symbolik  
Löwe

Ikonografie  
Religion  
Christentum  
Christus  
Symbolik  
Löwe  
Evangelist(en)  
Evangelistsymbole  
Löwe

Astrologie  
Tierkreiszeichen  
Löwe

Natur  
Tiere  
Säugetiere  
Löwe

Material	Standort	Stil	Technik	Thesaurus-Index
Datierung	Form - Funktion	Ikonografie	Kunstgattung	Kunstlandschaft
Antikenrezepti...	doppelseitig	Grotteske	Nachstellung	Schnitt
Antithetische Gruppe	Durchblick	Illusionismus	Ornament	Sequenzierung
Assistenzfigur(...)	Farbe	Isokephalie	Perspektive	Sfumato
Bezeichnung unbekannt	Figur	Kontur	Porträt	Silhouette
Bild im Bild	Goldener Schnitt	Kopie	Renaissance...	Simultandarste...
Capriccio	Goldgrund	Lichtgestaltung	Repoussoirmo...	Spiegelung

# imeji Community

## <http://colab.mpdl.mpg.de/mediawiki/Imeji-Community>

MAX PLANCK  
digital library

### imeji-Community

about colab

- Purpose
- People
- Feedback

navigation

- Main Page
- Newest Pages
- Recent Changes
- All Pages
- All Categories

contents

- Projects
- Main Topics
- Events

help

- Wiki Help
- Wiki Syntax Basics

search

Go Search

toolbox

- What links here
- Related changes
- Special pages
- Printable version
- Permanent link

## The Idea

The imeji Community has the aim to initiate an active **open source** community around the imeji software. The imeji community was originated in March 2012 from the Max Planck Digital Library, the Institute of Art and Visual History of the Humboldt Universitaet Berlin and the Konrad Zuse Internet Archive of the Freie Universitaet Berlin. The aim is to ensure the sustainability of the imeji software and to enable further stable software development.

## The imeji Software

imeji is a scientific image management application for scholars who want to save their **images** on the web, but also maintaining the corresponding **metadata** and its values, for data completeness. A full detailed description of the imeji software can be found on the [imeji Software](#) page. A demo instance is provided at <http://www.imeji.org> please feel free to play around!

## Active Members

Freie Universität Berlin INSTITUT FÜR KUNST- UND BILDGESCHICHTE MAX PLANCK digital library

## Want to get involved?

You want to be a part of our community? You are very welcome!  
Please feel free to check out the imeji software on our [demo instance](#) or to contact the [community](#) directly.  
Please put all bug reports directly in the [issue tracking system of github](#).  
The code repository is located at [github](#) you can fork the code and change it for your needs, we are always happy when people share their developments, so please do not forget to perform a pull request for the master branch whenever you think you have a cool feature or a bug-fix to share. We are also planning an imeji Day beginning of year 2013, if you are interested please subscribe to the [mailing list](#) so we can keep you informed.

imeji  
COMMUNITY

imeji Community

- imeji Software
- Roadmap
- Features
- Interfaces

Technical Specification

Functional Specification

Contact

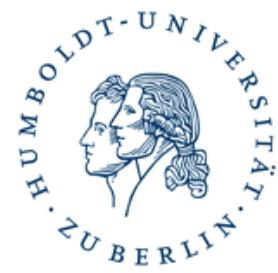
Download

Installation

Documentation

Meetings

edit



Vielen Dank für Ihre Aufmerksamkeit!

Fragen?

**Weitere Informationen und Kontakt**

Einen Überblick und weitere Information zu den laufenden Projekten der EDV und Mediathek des IKB finden Sie in der Homepage des IKB: <http://www.kunstgeschichte.hu-berlin.de/institut/edv/projekte/> sowie im Projekt-Wiki: <http://www2.hu-berlin.de/mediathek/wiki/>

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*“The coolest thing to do with  
your data will be  
thought of by someone else”*