



Eine virtuelle Forschungsumgebung  
zur praktischen Anwendung von Ontologien

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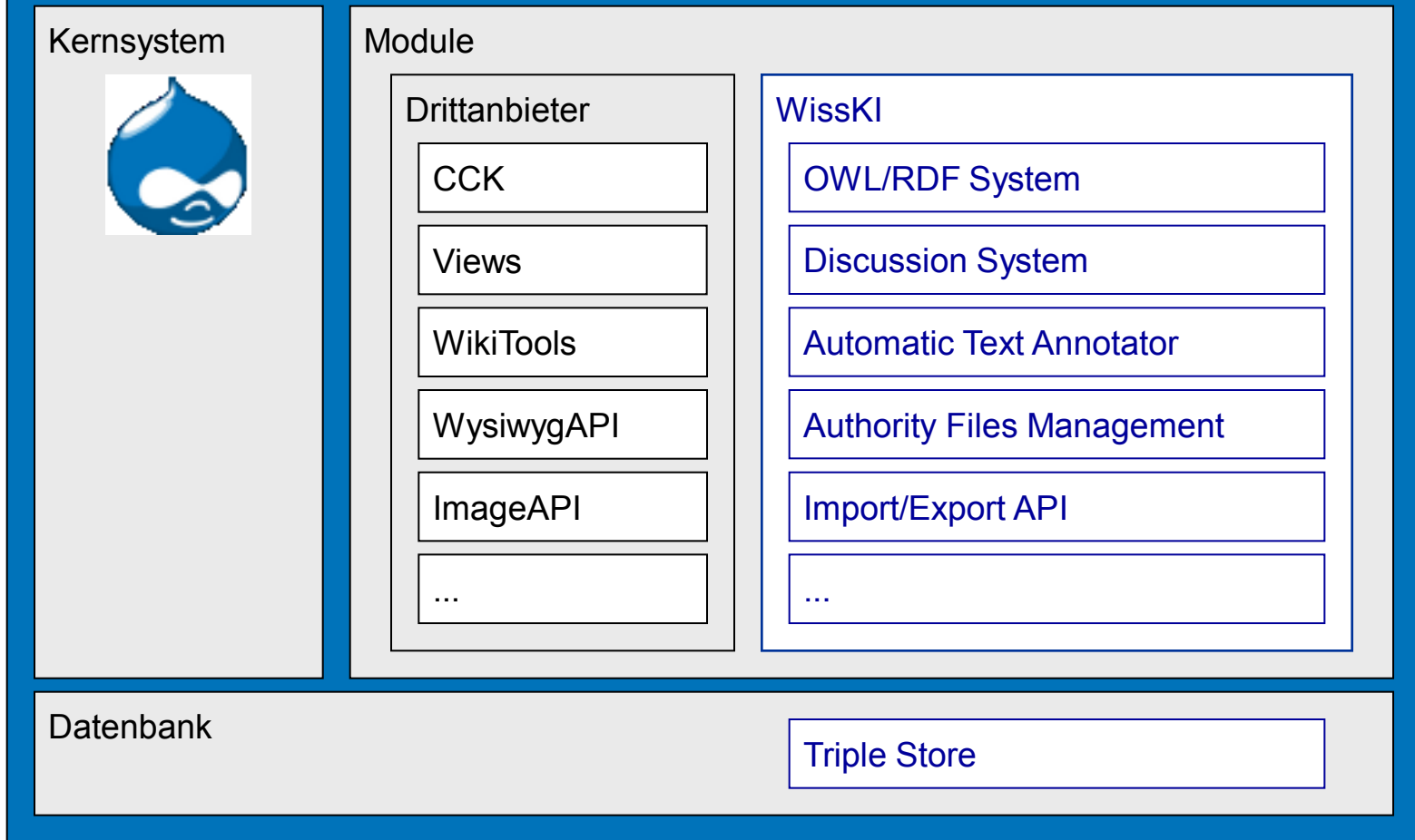
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<http://hohmann.io>

- WissKI -  
Wissenschaftliche KommunikationsInfrastruktur
- Gefördert von der DFG 2009 – 2011/2012
- Projektpartner
  - Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), Lehrstuhl für Informatik 8: Künstliche Intelligenz (Prof. Dr. Günther Görz)
  - Germanisches Nationalmuseum (GNM) Nürnberg, Referat für Museums- und Kulturinformatik (Dr. Siegfried Krause)
  - Zoologisches Forschungsmuseum Alexander Koenig (ZFMK) Bonn, Biodiversitätsinformatik (Dr. Karl-Heinz Lampe †)
- <http://www.wiss-ki.eu>



- Erstellung einer virtuellen Forschungsumgebung, die ...
  - vollständig webbasiert ist.
  - durchgängig semantische Technologien verwendet.
  - wissenschaftliche Dokumentation in Gedächtnisinstitutionen (Museen, Archive und Bibliotheken) unterstützt.
  - Verknüpfen von Wissen über spezifische Wissensdomänen hinweg ermöglicht.
  
  - wissenschaftliche Kommunikation unterstützt.
  - kollaborative Wissenschaft unterstützt.
  - in der Vorbereitung wissenschaftlicher Publikationen assistiert.
  - dauerhaften Zugriff auf Forschungsergebnisse ermöglicht.
  - persistente Zitierbarkeit gewährleistet.
  
  - als Plattform für kuratiertes Wissen dient.

## Drupal (<http://drupal.org>)



Die verwendete Software steht unter freien Softwarelizenzen zur Verfügung.

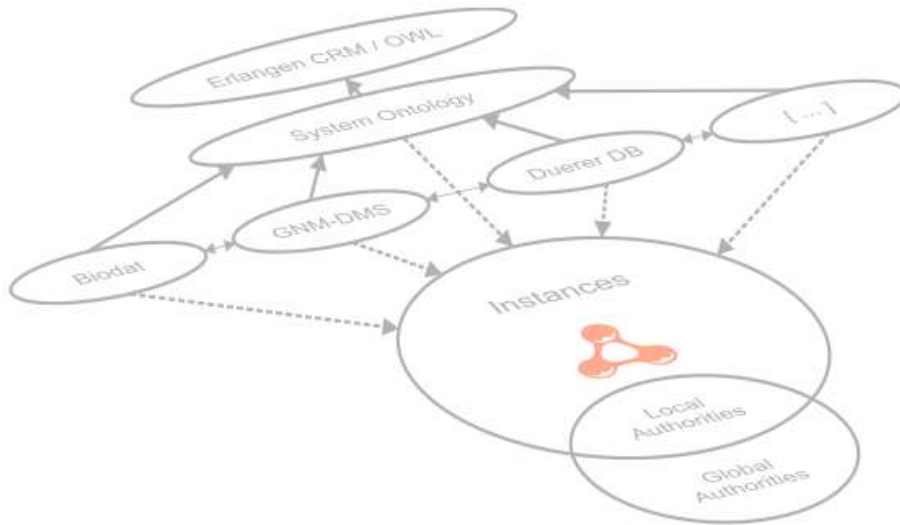


## WissKI

Albrecht Dürer  
A WissKI Demo for CIDOC 2011

[Home](#) [About](#) [Login](#)

Welcome to WissKI



Who's online

There are currently 0 users and 0 guests online.

Please **login** first to use the system.

Developed by  
Germanische Nationalmuseum



Create

Navigate

Find

### Albrecht Dürer: Self-Portrait in a Wig

View Delete Edit Text Edit Form Graph Network Paths Triples XML Devel

Self-Portrait (earlier known as Self-Portrait at Twenty-Eight Years Old Wearing a Coat with Fur Collar or Self-Portrait in a Wig) is a painting on wood panel by the German Renaissance artist Albrecht Dürer. Painted early in 1500, just before his 29th birthday, it is the last of his three painted self-portraits. It is considered the most personal, iconic and complex of his self-portraits, and the one that has become fixed in the popular imagination.

The self-portrait is most remarkable because of its arrogant suggestion of divinity in its resemblance to many earlier representations of Christ. Art historians note the similarities with the conventions of religious painting, including its symmetry, dark tones and the manner in which the artist directly confronts the viewer and raises his hands to the middle of his chest as if in the act of blessing. It is likely that Dürer portrayed himself in this way through a combination of arrogance and a desire by a young and ambitious artist to acknowledge that his talent as God given.

Submitted by root on Thu, 09/01/2011 - 15:09

#### Object

Inventory number  
537

Collection

Paintings

Title

Self-Portrait in a Wig

#### Creation

Artist

Albrecht Dürer

Date

1500

Place

Alte Pinakothek, Munich

Images

[http://upload.wikimedia.org/wikipedia/commons/thumb/c/c2/D%C3%BCrer\\_self\\_portrait\\_28.jpg/300px-D%C3%BCrer\\_self\\_portrait\\_28.jpg](http://upload.wikimedia.org/wikipedia/commons/thumb/c/c2/D%C3%BCrer_self_portrait_28.jpg/300px-D%C3%BCrer_self_portrait_28.jpg)

#### Images



#### Who's online

There are currently 1 user and 0 guests online.

Online users

- root

#### Diskussion

- Show discussion for this topic
- New discussion entry
- Recent discussions



# WissKI

## Albrecht Dürer

A WissKI Demo for CIDOC 2011

### Create Content

#### ▼ *WissKI Fieldbased Input*

##### Person

Here you can store the data about a person.

##### Buildings

Here you can store data about buildings.

##### Object

Object in a museum's inventory

#### ▼ *WissKI Textbased Input*

##### Person

Here you can store the data about a person.

##### Buildings

Here you can store data about buildings.

##### Object

Object in a museum's inventory



# WissKI

## Albrecht Dürer

A WissKI Demo for CIDOC 2011

### Object

▼ *Object*

**Inventory number:** \*

**Collection:**

**Title:**

▼ *Creation*

**Artist:**

**Date:**

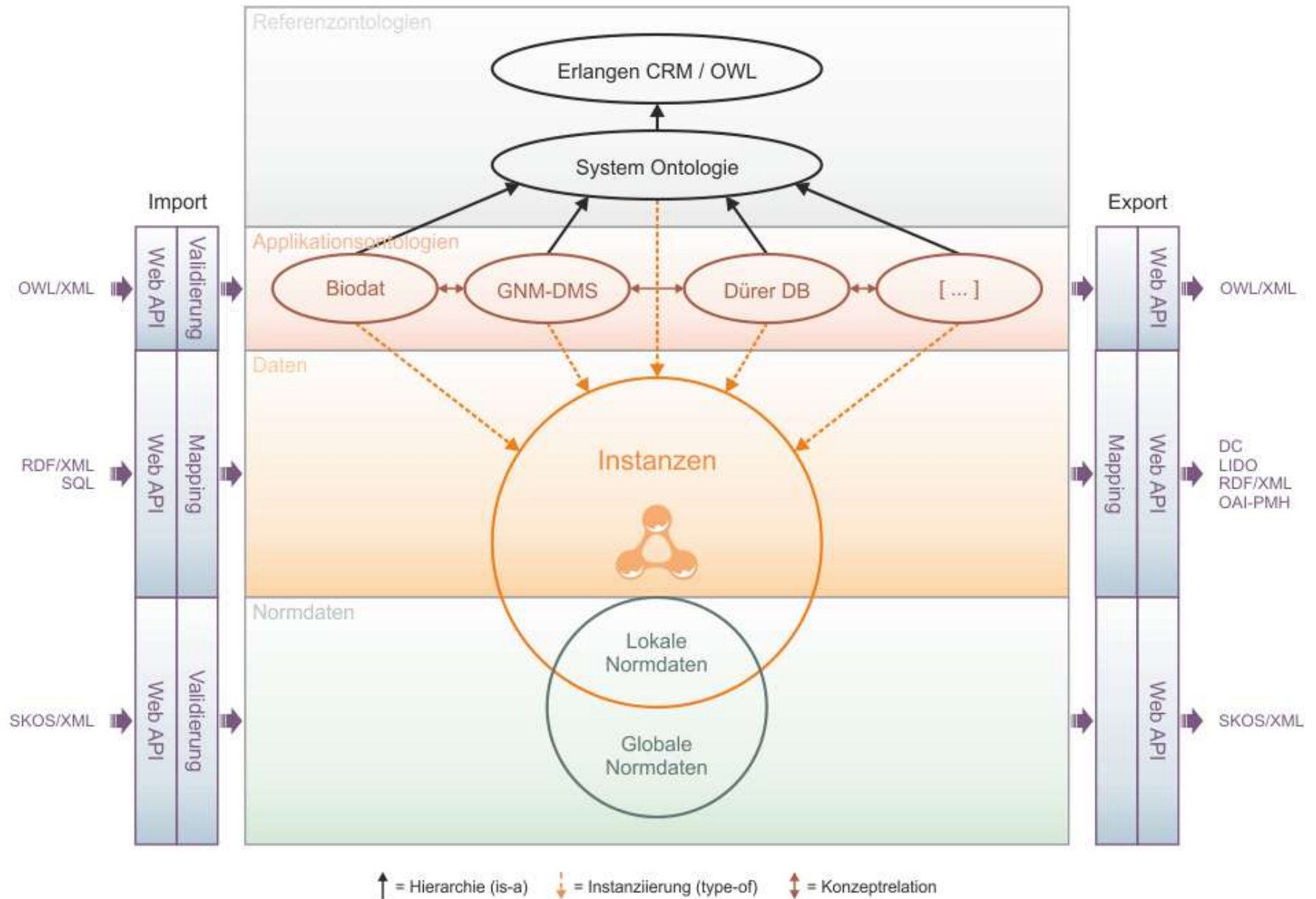
**Place:**





- <http://erlangen-crm.org>
- Einzige aktiv gepflegte Umsetzung des CIDOC CRM in OWL
- Setzt alle Merkmale des CRM um
  - Restriktionen
  - Transitive Eigenschaften
  - Shortcuts (OWL2)
- Erweiterungen
  - FRBRoo
  - Time-Spans in RDF/OWL

# Systemdiagramm



▼ Object

Inventory number: \*

Collection:

Title:

▼ Creation

Artist: Albrecht Dürer

Date:

Place: Nürnberg

Mat./Tech.:

Inscription:

Iconography:

Literature:

Images:

E84 Information Carrier  
→ P108i was produced by →  
E12 Production  
→ P14 carried out by →  
E21 Person  
→ P131 is identified by →  
E82 Actor Appellation  
→ P3 has note →  
„Albrecht Dürer“

E84 Information Carrier  
→ P108i was produced by →  
E12 Production  
→ P7 took place at →  
E53 Place  
→ P87 is identified by →  
E48 Place Name  
→ P3 has note →  
„Nürnberg“



# WissKI

## Albrecht Dürer

A WissKI Demo for CIDOC 2011

### WissKI module settings

[Access Points](#)
[Editor](#)
[GraphViz Settings](#)
[Import](#)
[Ontology](#)
[Textproc](#)
[Unique IDs](#)
[Vocabulary Control](#)
[Pathbuilder](#)
[Export](#)
[Import](#)
[Internal display](#)

Menu item	Path	Enabled	Operations
⊕ Ungrouped		<input checked="" type="checkbox"/>	
⊕ Object	Group [ecrm:E84_Information_Carrier]	<input checked="" type="checkbox"/>	edit delete
⊕ Inventory number	ecrm:E84_Information_Carrier -> ecrm:P1_is_identified_by -> ecrm:E42_Identifier	<input checked="" type="checkbox"/>	edit delete
⊕ Collection	ecrm:E84_Information_Carrier -> ecrm:P50_has_current_keeper -> ecrm:E40_Legal_Body -> ecrm:P1_is_identified_by -> ecrm:E82_Actor_Appellation	<input checked="" type="checkbox"/>	edit delete
⊕ Label	ecrm:E84_Information_Carrier -> ecrm:P1_is_identified_by -> ecrm:E41_Appellation	<input type="checkbox"/>	edit delete
⊕ Title	ecrm:E84_Information_Carrier -> ecrm:P1_is_identified_by -> ecrm:E35_Title	<input checked="" type="checkbox"/>	edit delete
⊕ Creation	Group [ecrm:E84_Information_Carrier -> ecrm:P108i_was_produced_by -> ecrm:E12_Production]	<input checked="" type="checkbox"/>	edit delete
⊕ Artist	ecrm:E84_Information_Carrier -> ecrm:P108i_was_produced_by -> ecrm:E12_Production -> ecrm:P14_carried_out_by -> ecrm:E21_Person -> ecrm:P131_is_identified_by -> ecrm:E82_Actor_Appellation	<input checked="" type="checkbox"/>	edit delete
⊕ Date	ecrm:E84_Information_Carrier -> ecrm:P108i_was_produced_by -> ecrm:E12_Production ->	<input checked="" type="checkbox"/>	edit delete



# WissKI








## Albrecht Dürer

A WissKI Demo for CIDOC 2011

### Annotated Text

Enter text:

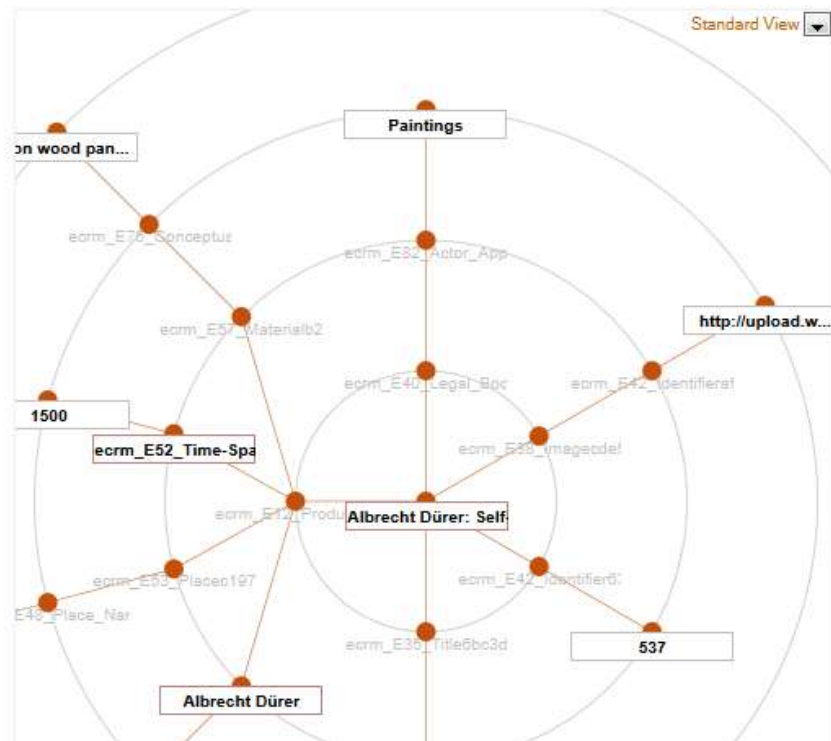
**B** *I* U ↶ ↷ Ω 📄 ✅ ❌ Send 🌈

This painting  Self-portrait with  Flower was painted in  1493 by  Albrecht Dürer when he was twenty-two years old, in  Nürnberg at the end of his trade guild tour. It is one of the very first independent self-portraits in Western painting. The  eryngium held by the artist is possibly a pledge of fidelity to his fiancée  Agnes Frey, or perhaps an allusion to Christ's Passion (or more specifically to the spikes on the crown of thorns).

-  \* Nürnberg (Person)
-  \* Nürnberg (Buildings)
-  \* Nürnberg (Place)
-  \* Nürnberg (Date)
-  \* Nürnberg (Object)
-  \* Nürnberg (Biology)
-  Nürnberg (Local Places)
-  Nürnberg (Getty TGN)

## Albrecht Dürer: Self-Portrait in a Wig

View Delete Edit Text Edit Form **Graph** Network Paths Triples XML Devel



### Connections (Albrecht Dürer: Self-Portrait in a Wig)

- `ecrm:P1_is_identified_by` » `ecrm_E42_Identifier6382517d-de6b-5e54-81af-53200a496f56`
- `ecrm:P1_is_identified_by` » `ecrm_E35_Title6bc3d940-bec9-a774-b424-b3020b39fdc0`
- `ecrm:P108i_was_produced_by` » `ecrm_E12_Productionc69934ff-0828-1e84-b754-48d0a5f47b22`
- `ecrm:P50_has_current_keeper` » `ecrm_E40_Legal_Bodye6337f90-a916-814542fa9159`
- `ecrm:P65_shows_visual_item` » `ecrm_E38_Imagecde530bd-b775-b3f4-81ca-595253390270`

### Images



### Who's online

There are currently **1 user** and **0 guests** online.

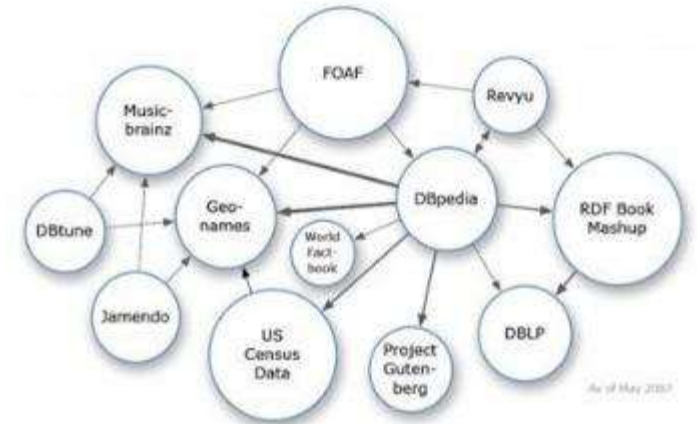
Online users

- **root**

### Diskussion

- [Show discussion for this topic](#)
- [New discussion entry](#)
- [Recent discussions](#)

- Import
  - SQL to RDF Schnittstelle
  - Direkter RDF Import
  - Anbindung externer SPARQL-Endpoints
- Export
  - RDF to XML Schnittstelle
  - OAI-PMH-Schnittstelle
  - SPARQL-Endpoint
  - Abruf der RDF-Daten einer Instanz via URL
  - Auslesen des gesamten Datenbestands (RDF Dumping)



Linking Open Data cloud diagram, Mai 2007  
by Richard Cyganiak and Anja Jentzsch  
<http://lod-cloud.net/>



<http://wiss-ki.eu>  
<http://wiss-ki.eu/authorities>  
<https://github.com/WissKI>  
<http://erlangen-crm.org>  
<https://www.facebook.com/wisskiproject>

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<http://hohmann.io>