

## Details

### iDAI.objects/Arachne (ARACHNE)

Arachne is the central object and image database of the German Archaeological Institute (DAI) and the Archaeological Institute of the University of Cologne. Arachne is intended to provide archaeologists and Classicists with a free internet research tool for quickly searching hundreds of thousands of records on objects and their attributes. This combines an ongoing process of digitizing traditional documentation (stored on media which are both threatened by decay and largely unexplored) with the production of new digital object and graphic data. Wherever possible, Arachne follows a paradigm of highly structured object-metadata which is mapped onto the CIDOC-CRM, to address machine-readable metadata strategies of the Semantic Web. This »structured world« of Arachne requires high efforts in time and money and therefore is only possible for privileged areas of data. While on the ever-increasing range of new, digital born data in reality only a small effort-per-object ratio can be applied. It therefore requires a "low-threshold" processing structure which is located in the »unstructured world« of Arachne. All digital (graphic and textual) information is secure on a Tivoli Storage System (featuring long-term multiple redundancy) and distributed online.

**Address:** Podbielskiallee 69-71  
14195 Berlin  
Berlin  
Deutschland  
[To website](#)

### Host Institution

**Deutsches Archäologisches Institut**  
Podbielskiallee 69-71  
14195 Berlin  
Berlin  
Deutschland  
<http://www.dainst.org>  
**Cologne Digital Archaeology Laboratory / Archäologisches Institut der Universität zu Köln**  
Albertus-Magnus-Platz  
50923 Köln  
Nordrhein-Westfalen  
Deutschland  
<http://archaeologie.uni-koeln.de/>

### Scientific Domain

**Primary Subjects:**

- Humanities

**Secondary Subjects:**

### Category

Open-Access Repositories

### Scientific Services

Arachne can be utilized by researchers of the archeological and historical sciences in different ways. The website provides extensive search and retrieval possibilities for the constantly growing body of research data. Currently, these include over 200,000 highly structured descriptions of archeologically relevant objects of research, such as buildings, digitized books and different categories of single objects, and nearly 2 million images. Researchers can also use the Arachne infrastructure to publish their own collected research data and make them available on the web. This includes the possibility to create online catalogues which can supplement traditional forms of publication with different forms of visualization for structured material. Also, data stored in Arachne are stored under the premise of long-term preservation. This helps researchers to prevent data loss and ensure the possibility of data re-use.

### Scientific Equipment

## Keywords

- Archaeology
- Database
- Semantic web
- Linked data
- Retrospective digitization
- Long-term preservation
- Research data publication
- Virtual research environment

## Networks

### **Pelagios**

<http://pelagios-project.blogspot.de/>

### **Ariadne**

<http://www.ariadne-infrastructure.eu/>

### **iDAI.world**

<http://idai.world>

## Users per annum

**Internal Users:** 371

**External Users in total:** 145253

**External Users:** 64477

**External Users in the EU:** 49197

**External Users outside of EU:** 31579