Enriqueciendo Europeana con Procesamiento del Lenguaje Natural

Eneko agirre Grupo IXA de PLN http://ixa.si.ehu.eus





NAZIOARTEKO BIKAINTASUN CAMPUSA CAMPUS DE

CAMPUS DE EXCELENCIA INTERNACIONAL

IXA NLP group





- 25+ anniversary
- Interdisciplinary team
 - 38 CS and 16 Linguists (38 PhDs)
 - 30 teachers, 10 post-docs, 14 PhD students
 - 3 research assistants

IXA NLP group

- Máster
 - HAP/LAP Language Analysis and Processing
- Máster Erasmus-Mundus
 - Language Technology and Communication (2013-2018) http://lct-master.org/
 - Saarbrucken (coordinator), Groningen, Trento, Lorraine,
 Malta, Prague, Melbourne, Shangai and UPV/EHU
- PhD program:
 - HAP Language Analysis and Processing
 - 15 PhDs from 2010

IXA NLP group

- Around 50 research papers / year
- Active research projects:
 - 4 FP7 EU projects
 - 4 National projects (Mineco)
 - 2 Basque government projects
- Main focus:
 - Text Processing for Basque, English and Spanish
 - Building NLP resources and tools
 - Applications: IR, IE, MT, education
 - Commercial: spell-checker, IR, dictionaries



Personalised access to cultural heritage spaces

Personalised Access to Cultural Heritage Spaces using Pathways

Mark Stevenson University of Sheffield



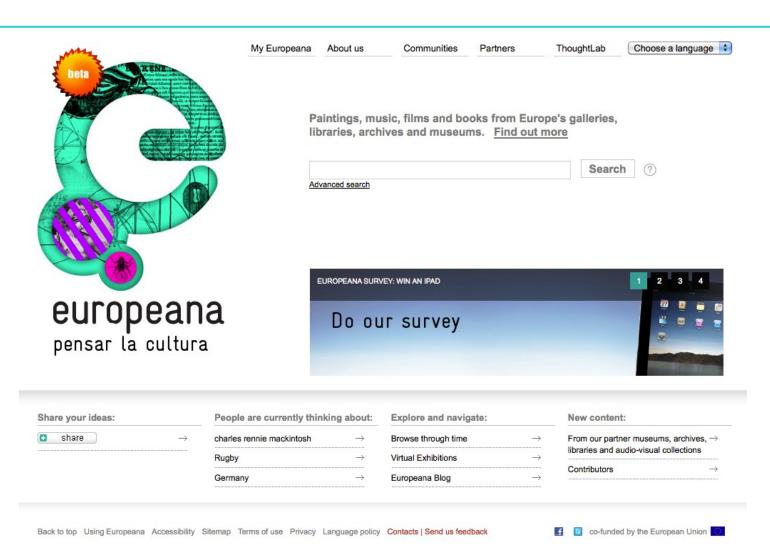


Information access in cultural heritage

- Significant amounts of Cultural Heritage material available online
 - Europeana, Web portals, digital libraries, Wikipedia ...
- Users find it difficult to navigate and interpret the wealth of information
 - users are normally not subject experts
 - systems offer limited support for knowledge exploration and discovery



Online Access





Refine your search:

By provider

By country

By language

By type

By date

By rights

Actions:

Login | Register

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Images (75)

Videos (2)

share

venus milo

Texts (2)

Refine Search Advanced search

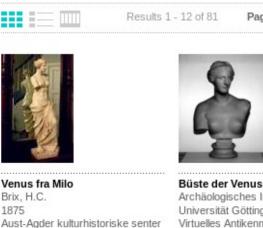
Search

Sounds (2)

Matches for: venus milo

All











Venus von Milo Archäologisches Institut der Universität Göttingen Virtuelles Antikenmuseum (Viamus) EuropeanaLocal Deutschland



Rechte Hand der Venus von Milo Archäologisches Institut der Universität Göttingen Virtuelles Antikenmuseum (Viamus) EuropeanaLocal Deutschland





La venus de Milo

Norsk Kulturråd







Greek Court, Crystal Palace

Manufacture de Céramiques

Madelein



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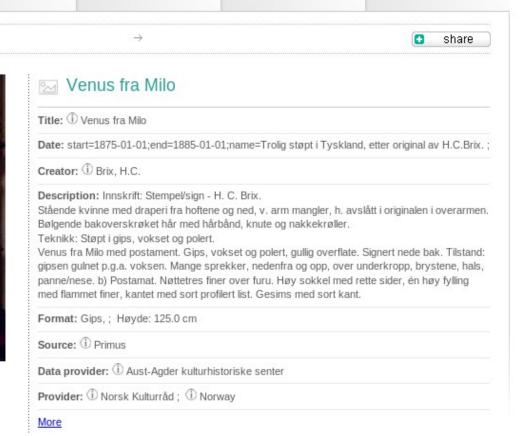
Choose a language 2

venus milo Advanced search Search

Matches for: venus milo

Item details

europeana think culture ↑ Return to results Ost, reinost, avstøpning av Ost, reinost, avstøpning av







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Venus de Milo

From Wikipedia, the free encyclopedia (Redirected from Venus de milo)

Not to be confused with the group of prehistoric statuettes known as Venus figurines,

Aphrodite of Milos (Greek: Ἀφροδίτη τής Μήλου, Aphrodite tes Melou), better known as the Venus de Milo, is an ancient Greek statue and one of the most famous works of ancient Greek sculpture. Created at some time between 130 and 100 BC, it is believed to depict Aphrodite (Venus to the Romans) the Greek goddess of love and beauty. It is a marble sculpture, slightly larger than life size at 203 cm (6 ft 8 in) high. Its arms and original plinth have been lost. From an inscription that was on its plinth, it is thought to be the work of Alexandros of Antioch; it was earlier mistakenly attributed to the master sculptor Praxiteles. It is presently on display at the Louvre Museum in Paris.

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- 1 Description
- 2 Discovery and history
- 3 Fame
- 4 Contemporary Use
- 5 See also
- 6 Notes
- 7 References
- 8 External links

Description [edit]

Although the Aphrodite of Milos is widely renowned for the mystery of her missing arms[1] enough evidence remains to prove that the right arm of the goddess was lowered across the torso with the right hand resting on the raised left knee so the sliding drapery wrapped around the hips and legs could be held in place. [citation needed] There is a filled hole below the right breast that originally contained a metal tenon that would have supported the separately carved right arm.

The left arm was held at just below the eye level of the statue above a herm while holding an apple. The right side of the statue is more carefully worked and finished than the left side or back, indicating that the statue was intended to be seen mainly as a profile from its right. The left hand would have held the apple up into the air further back inside the niche the statue was set in. When the left hand was still attached, it would have been

Venus de Milo



Artist Alexandros of Antioch Year Between 130 and 100 BC

Type Marble

Location Louvre Museum, Milos

Ancient Roman



Research objectives related to linked data and digital humanities

- Automated organisation and enrichment of Cultural Heritage content for use within a navigation system
 - Ontology extension
 - Links to vocabularies
 - Vocabularies user-unfriendly (specialised, un-mapped)
 - Produce a user-friendly vocabulary automatically adapted to the target collection based on WordNet and Wikipedia
 - Links to external sources
 - Enrich metadata with links to Wikipedia (disamb.)
 - Link full item to their corresponding Wikipedia article
- Resulting multi-layer network basis for exploration, recommendation and path construction



Local content in a Europeana cloud

Metadata Enrichment Services





LoCloud Specific goals

- Enable small/medium institutions to contribute to Europeana
- Provide micro-services and tools
 - Based on cloud technologies
 - Help reduce technical, semantic and skill barriers
 - Special focus on geographic location
 - Semantically enrich cultural objects
- Provide assistance for small/medium institutions
- Technical details
 - 33 partners
 - Divided into technical partners and aggregators
 - 740 Person/month
 - 3,400,000 budget

LoCloud Metadata Enrichment services

- Set of micro-services to automatically enrich Cultural Heritage items.
 - Background links: link items with Dbpedia or Wikipedia.
 - Vocabulary matching: link items with relevent vocabulary terms.
- Integrated into the aggregation workflow
 - Cultural providers can select whether to enrich or not.



Metadata Enrichment



Relation: Picture the Past

feed risked.

Description: The largest Oak tree in England, perhaps in the world, this famous tree

has withstood lightning, the drying-out of its roots and even a recent fire. The hollow

tree has a disjunference of 32 feet and the spread of its branches makes a ring 260

late estificar:

artiser come.

http://www.picturetheoset.org.uk/

BIGUAL BING CWOOT 197 BANK YOU

Atomicrol.phg?heywords='Ref_Nic_inc

Lessons learned

- Main issues when linking Europeana to specialized vocabularies and knowledge-bases
 - Quality of meta-data (and quantity)
 - Quality of vocabularies (user-friendly, rich)
 - Quality of disambiguation algorithm
 - Inter-operability between vocabularies
- Regarding multilinguality
 - Disambiguation engine requires lemmatization and PoS tagging
 - Compatible vocabularies across languages
- Regarding formats, extension to we extended EDM

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Gracias!

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EXCELENCIA INTERNACIONAL

LoCloud Vocabulary matching: example

```
curl -H "Accept: application/json" \
   -d "text=Stembridge High Cross, Somerset"
   -d "lang=en" \
    http://test183.ait.co.at/rest/vmatch
{"Status": 200,
"Status_message": "Success",
"data": {
    "Resources":
{"URI": "http://vocabulary.locloud.eu/Irish Monuments/xml.php?skosTema=285",
    "vocab": "Irish Monuments" }
    1 } }
```