

INDICATE

INDICATE project

Virtual exhibition workshop

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Ministero per i beni e le attività culturali

Istituto centrale per il catalogo unico delle biblioteche italiane (ICCU)

Project coordinator

Amman, 11 December 2011

Department of Antiquities of Jordan



ICCU Departments and Activities

ICCU is structured in
2 services and 6 departments

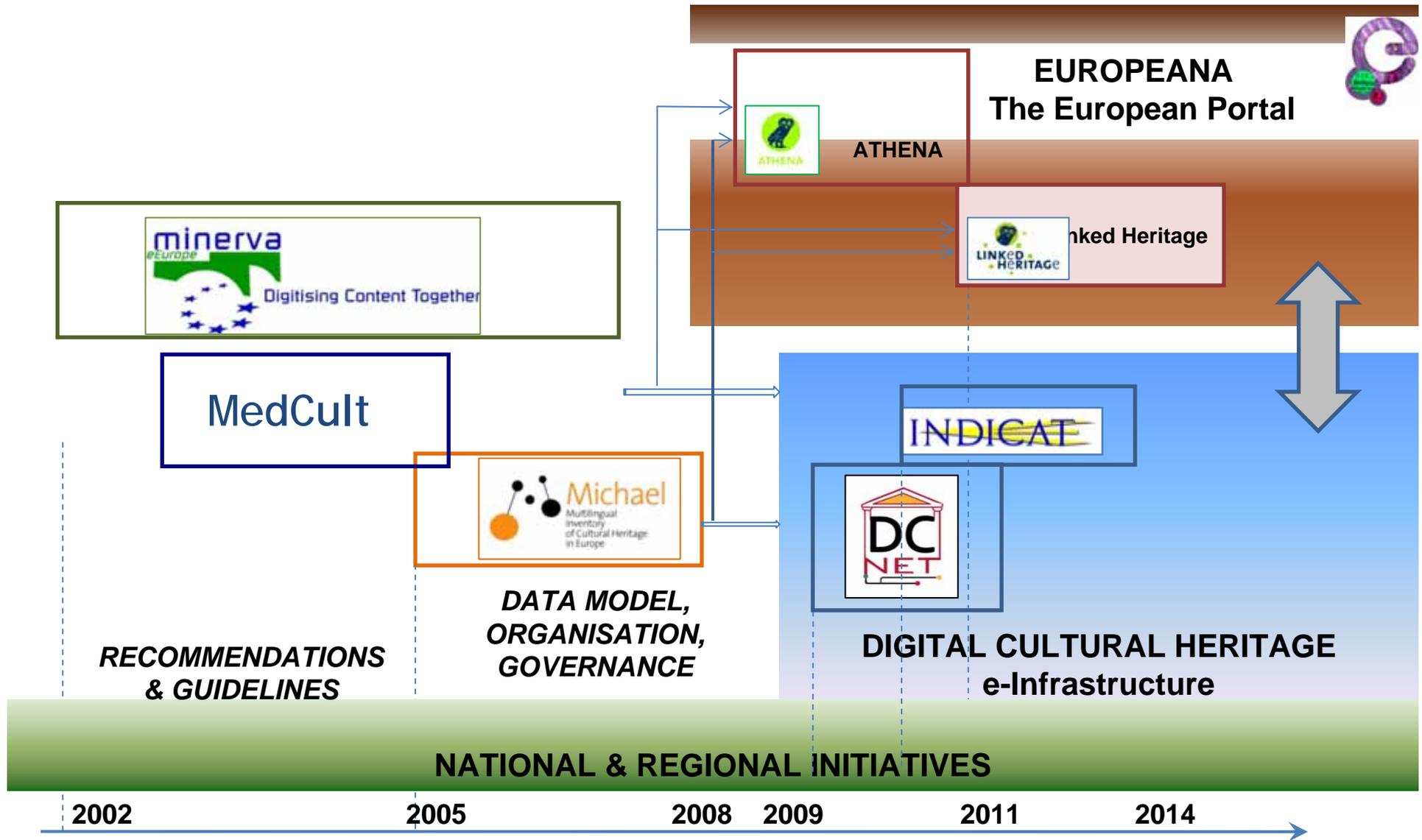
1. Administrative Service
2. Service for the cultural promotion

Projects:

- Internet Culturale
- CulturalItalia
- Europeana (Italian partic.)
- World Digital Library (Italian partic.)
- European projects
- Google Books (Italian partic.)

1. Standards rules for cataloguing and digitisation
2. National Library Service (SBN)
3. Registry of the Italian libraries (16.000)
4. Digitisation and access to documents
5. Cataloguing and census of the ancient book held by the Italian libraries (65.000)
6. Census of manuscripts held by the Italian libraries (60.000)

Past, present and future scenario



Europeana

- Multilingual portal with over 20 M data
- A showcase for over 1,500 museums, libraries, archives across Europe
- Supplied with data from national portals or EU projects
- A flagship project of the European Commission and the European Parliament

“A digital library that is a single, direct and multilingual access point to the European cultural heritage.”

European Parliament, 27 September 2007





Explore Europe's cultural collections

[Search](#)
[Help](#)

[Like](#) 4k
 [+](#)
[2.3K](#)



From the blog



[Claude Monet — The Creator of Impressionism](#)
 "Light is the principal person in the picture"
 (Claude Monet) The French painter Claude
 Monet was born on 14 November 1840. His
 work was so revolutionary and...

[End of the First World War — 11 a.m. on 11.11](#)

Today is the 93d anniversary marking the end
 of the First World War. Precisely at 11 a.m.
 on the 11th day of the 11th month of 2011, it
 will be honoured acr...

[Wilhelm Conrad Roentgen](#)

Another scientist in the spotlight today –
 Wilhelm Conrad Roentgen. On 8 November
 1895, during his experiment on cathode rays
 that passed through a glass tub...

Featured item



[View on a Fine Breezy Day](#)

This print has been of great influence in
 Western Art and it forms part of the set:
 Thirty-Six Views of Mt. Fuji. The work is also
 known as Red Fuji and it is one of the
 masterpiec...

Social media activities

- Frank von Hagel ha condiviso
 what:Brief OR dc_type:Brief-
 Europeana - Search results · circa un
 mese fa
- Frank von Hagel ha condiviso mask ·
 circa un mese fa
- Frank von Hagel ha condiviso
 Butterfass · circa un mese fa
- Selbstbildnis mit Mütze, Halbfigur
 im Oval mit Hund, Büchern und
 Palette | Hogarth, William**
 23 persone consigliano questo
 elemento.

www.europeana.eu

What is the MINERVA network

PEOPLE

Network of policy makers and professionals from cultural ministries and national institutions

PARTNERS

All member States plus Russia and Israel



CORE CONCERN

harmonising the digitisation of cultural content across Europe, avoiding fragmentation, minimising duplication, enabling long-term accessibility, promoting quality

OUTCOMES

European recommendations and guidelines on:
Digitisation project management, Interoperability, Quality, Accessibility and Usability of resources, IPR, Inventories and Multilingualism, Good practices and competence centres

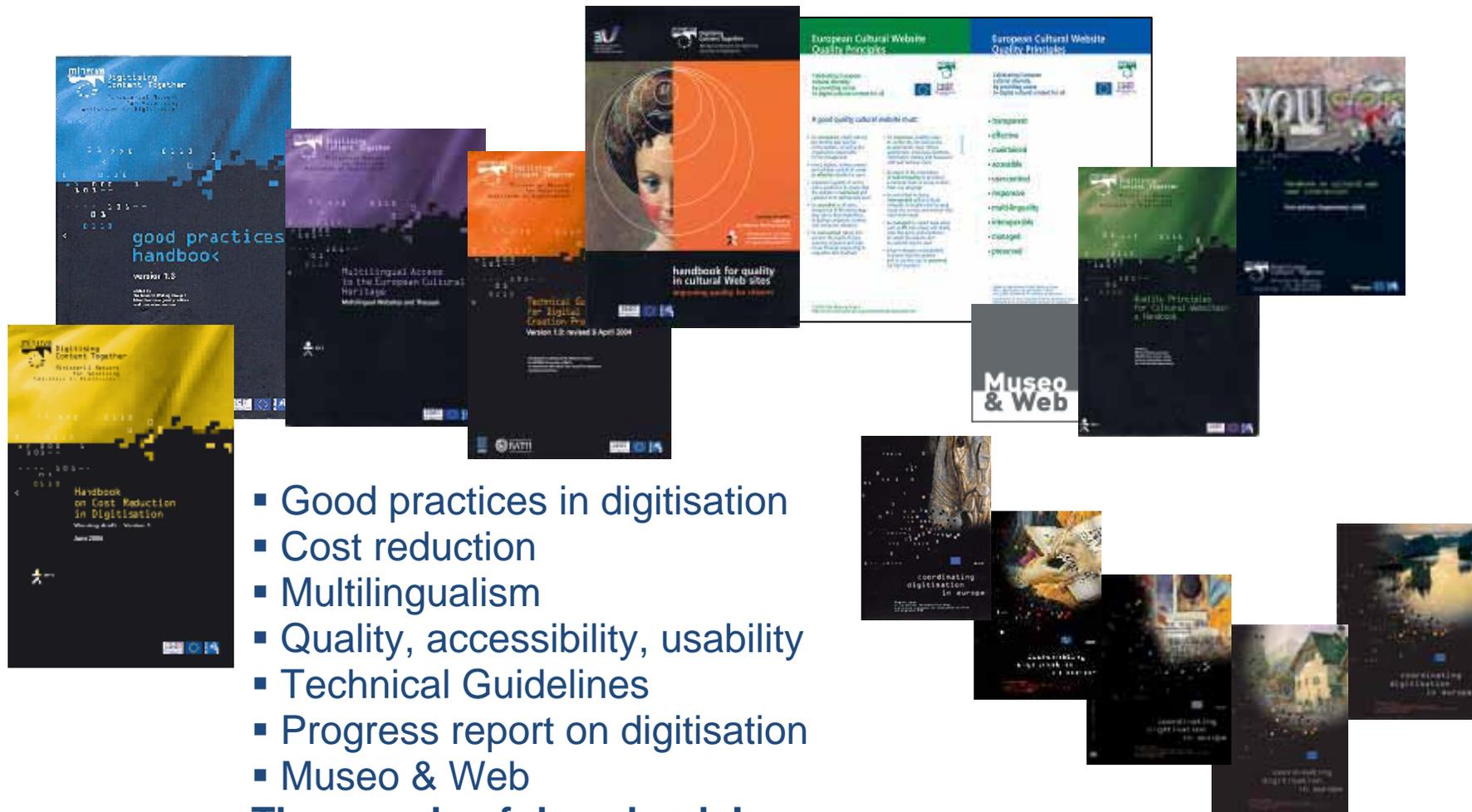
www.minervaeurope.org

2002/2008



MINERVA publications

MINERVA – MINERVA Plus – MINERVA EC



- Good practices in digitisation
- Cost reduction
- Multilingualism
- Quality, accessibility, usability
- Technical Guidelines
- Progress report on digitisation
- Museo & Web

Thousands of downloads!

www.minervaeurope.org

MICHAEL

Multilingual Inventory of Cultural Heritage in Europe

Connecting people to collections
from museums, libraries, archives,
and cultural and scientific organisations
across Europe

www.michael-culture.org

MICHAEL

2004-2008





MICHAEL now

**The MICHAEL Culture international Association:
a European cross-domain network**

**AISBL - Association internationale sans but lucratif
under the Belgian law – Member of the European
Foundation Board**

Members: institutions of every sector from all over
Europe (ministries, public agencies, cultural
institutions)



ATHENA

Access to cultural heritage networks across Europe

A network of good practices financed by the *eContentplus* programme

A 30 month project (2008-2011) coordinated by MiBAC

A result of the MINERVA project

ATHENA involved:

- 20 EU Member States, Israel, Russia and Azerbaijan
- 109 museums and other important cultural institutions in Europe

www.athenaeurope.org





The network

- Belgium
- Bulgaria
- Cyprus
- Czech Republic
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Israel
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- The Netherlands
- Poland
- Romania
- Russia
- Slovak Republic
- Slovenia
- United Kingdom
- Europeana



EUROPEAN MUSEUM!
ATHENA IS
YOUR BRIDGE
TO EUROPEANA

ONLY THOSE WHO
SHOW THEMSELVES
WILL BE SEEN



©Contemporary

The mission

Encourage museums and other cultural institutions to share their cultural content with Europeana, supporting them in this process

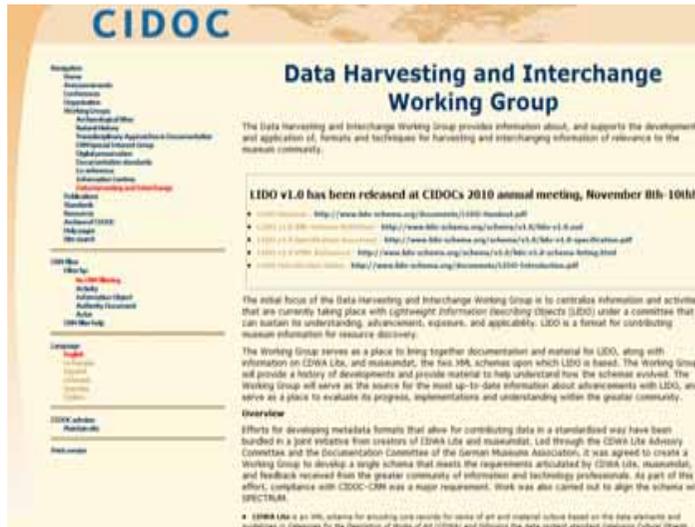
European museums have different approaches in:

- cataloguing
- digitisation
- metadata standard use



europaena
think culture

Results: LIDO (XML harvesting schema)



Formalised at international
level in December 2010 in
Beijing
at the CIDOC International
Conference

- **LIDO = Light Information [for] Describing Objects**
- **Uses the conceptual reference model CIDOC (CRM)**
- **Includes elements for visualization, indexing and multilingualism**
- **Aligned with the Getty CDWA Lite and Spectrum standards**
- **Reacher compare to ESE (Europeana Semantic Elements)**

<http://www.lido-schema.org>



Results: ingestion software (MINT)

HOME MY PROFILE ADMINISTRATION **IMPORT** OVERVIEW DATA REPORT LOGOUT

Import

Select your import method:

Http Upload Only zip, xml, and excel files allowed

NTUA FTP Upload NTUA FTP

Remote FTP/HTTP Upload Give URL to remote ftp/http server

OAI URL Give link to OAI repository

From Date (YYYY-MM-DD): To Date (YYYY-MM-DD):

OAI SET:

Namespace Prefix:

Server filename Server file path for upload

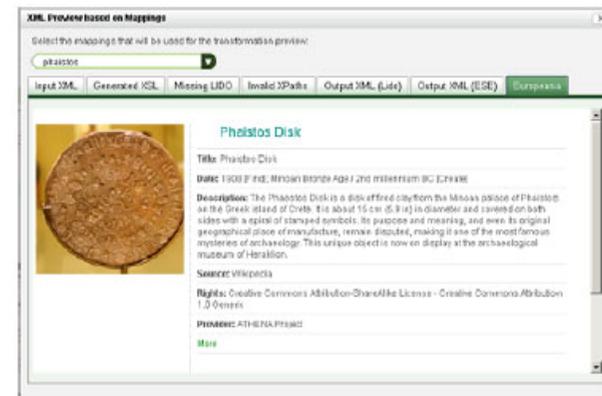
Upload for Organization*: Parent organization upload support

This is a LIDO 0.9 import

This is a LIDO 1.0 import

powered by mint - ©National Technical University of Athens

XML analysis, statistics & preview



Visual mapping (XSL) editor



XPath & constant value mappings, value concatenation
String value transformation functions based on XSL

Complex condition editor

- Developed by NTUA
- Based on LIDO
- Data automatically sent to Europeana
- Used by many EU projects



europeana
think culture

Matches for: ** > PROVIDER:Athens

All

Texts (503,188)

Images (3,279,348)

Videos (890)

Sounds (14)



Results 1 - 12 of 3,798,121

Page: 1

2

3

4

5

6

7

8

9

10

→



4,012,120 M data!

Refine your search:

By provider

By country

- italy (1,572,371)
- germany (1,379,032)
- finland (523,324)
- hungary (93,505)
- slovakia (43,664)
- russia (43,206)
- poland (30,055)
- belgium (27,708)
- czech republic (26,478)
- greece (19,075)
- belgium (27,708)
- czech republic (26,478)
- greece (19,075)
- romania (16,248)
- slovenia (15,480)
- europe (5,289)
- lithuania (1,093)
- malta (978)
- estonia (471)
- bulgaria (144)



Μηδεια

Mikis Theodorakis (composer)
1988
Music Library of Greece "Lilian Voudouri" - Friends of Music Society / Μεγάλη Μο...
Athena



Δύο τετράδια με πρόχειρα επιστολών Μ.Θ. ...

1957
Music Library of Greece "Lilian Voudouri" - Friends of Music Society / Μεγάλη Μο...
Athena



Τετράδια με πρόχειρα επιστολών σχετικά μ...

1958
Music Library of Greece "Lilian Voudouri" - Friends of Music Society / Μεγάλη Μο...
Athena



Ποικιλία θεμάτων. Η αλληλογραφία δίνει π...

1960
Music Library of Greece "Lilian Voudouri" - Friends of Music Society / Μεγάλη Μο...
Athena



Ενέργειες και επιστολές για την απελευθέ...

1970
Music Library of Greece "Lilian Voudouri" - Friends of Music Society / Μεγάλη Μο...
Athena



Γούνα

Museum of Greek Folk Art / Μουσείο Ελληνικής Λαϊκής Τέχνης
Athena



Πιρπρί

Museum of Greek Folk Art / Μουσείο Ελληνικής Λαϊκής Τέχνης
Athena



Γιούρνα

Museum of Greek Folk Art / Μουσείο Ελληνικής Λαϊκής Τέχνης
Athena





Other results

PERSISTENT

IDENTIFIERS (PIDs):

RECOMMENDATIONS

FOR INSTITUTIONS

PERSISTENT IDENTIFIERS (PID)

- What they are, why to use them, how
- Typologies and uses
- Survey
- Recommendations for institutions
- Booklet

DIGITAL CULTURAL CONTENT:

GUIDELINES FOR

GEOGRAPHIC INFORMATION

GIS: GUIDELINES FOR GEOGRAPHIC INFORMATION

- What they are, why to use them, how
- Typologies and uses
- Use cases with digital cultural content
- Booklet

Other results

STEP BY STEP IPR GUIDE

A museum wanting to publish its images may face legal problems

The IPR guide proposes solutions to identify these problems

ATHENA
Access to cultural heritage
networks across Europe

English / Français / Español

IPR Guide · About · Get Help in your Country · Background Knowledge · Ask Us!

IPR Guide

At this moment, the key to successful online exploitation of digital cultural heritage is still accurate licensing. The importance of licensing has also caught Europeana's attention: the organization has set up its own 'Europeana Licensing Framework'.

When trying to bring your collection to the www, some problems may occur. Are you as a museum allowed to display images of the work on your website? Is it ok if you allow users to remix content on your museum website for whatever purpose they like? We would like to propose the most straightforward way of clearing rights in order to achieve the legal basis for the exploitation you have in mind.

Start the IPR Guide ▶

Background

- IPR Legislation
- New Licensing Models
- Application of Digital Rights Management Techniques

IPR Guide · About · Get Help in your Country · Background Knowledge · Ask Us!

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ATHENA
Access to cultural heritage
networks across Europe

Europeana
EUROPEAN DIGITAL LIBRARY

Co-funded by
the European Union

Other results

ATHENA Journal

- 1: Think culture
- 2: Open gates instead closed doors
- 3: Collections development



The screenshot displays the website for Uncommon Culture. At the top left is the logo, which consists of the word "Uncommon" in a green, blocky font above the word "Culture" in a purple, blocky font, with a small owl icon to the left. Below the logo is a navigation menu with links for HOME, ABOUT, LOG IN, REGISTER, SEARCH, CURRENT, and ARCHIVES. The main content area shows the breadcrumb "Home > Archives > Vol. 1, no. 1/2 (2010): Think Culture" and the title "Vol. 1, no. 1/2 (2010): Think Culture". Below the title is a "TABLE OF CONTENTS" link. On the right side, there is a "OPEN JOURNAL SYSTEMS" section with a "Journal Help" link. Below that is a "USER" section with fields for "Username" and "Password", a "Remember me" checkbox, and a "Log In" button. Further down is a "JOURNAL CONTENT" section with a "Search" input field, a dropdown menu set to "All", and a "Search" button. Below the search is a "Browse" section with links for "By Issue", "By Author", "By Title", and "Other Journals". At the bottom right is an "INFORMATION" section with links for "For Readers", "For Authors", and "For Librarians". The main content area features a large graphic with a yellow background, a black owl icon, the text "2010 | Vol. 1.1", "ISSN: 2082-6923 no 1/2", and the "Uncommon Culture" logo. Below the graphic is a photograph of a stone archway.

<http://www.uncommonculture.org>

Other results: virtual exhibition

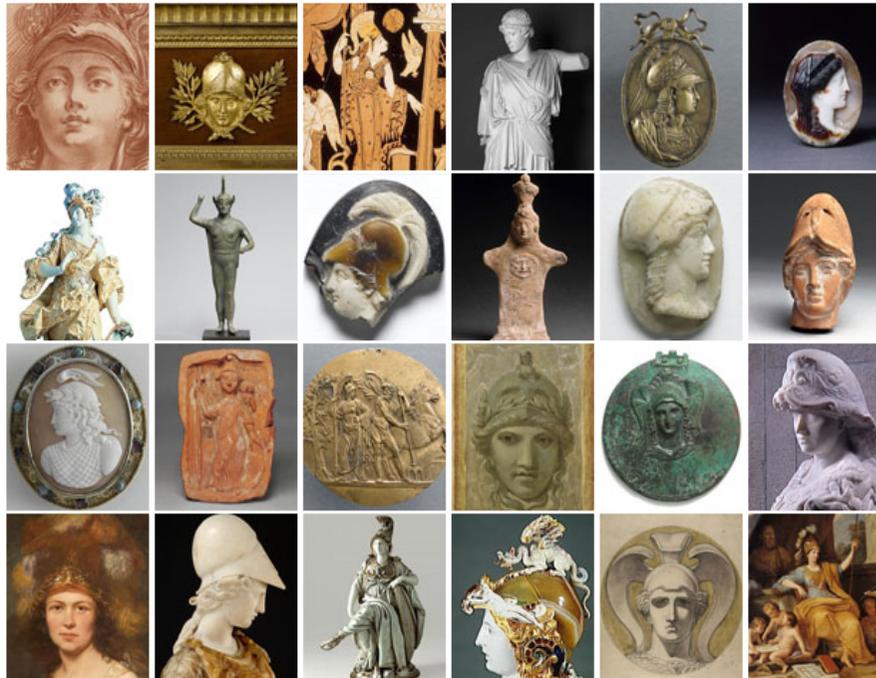


A VOYAGE WITH THE GODS ATHENA



ATHENA

Welcome to Athena
The spectacular birth of Athena
Athena and Poseidon's contest for Athens
Erikhthonios: Athena's adopted son
Athena's quests
Why Athena turns Arakhne into a spider
Athena and Minerva in today's world
Play the game
Your Hero
Europeana Resources





Linked Heritage

Best Practice Network

Started on 1/4/2011 (30 months)

- To contribute large quantities of new content to Europeana – **cross domain**
- To prepare for the enhancement of the quality of both new and existing Europeana content
- To demonstrate improved search, retrieval and use of Europeana content
- For the first time, the **public sector** participate together with the **private sector** to provide content to Europeana

www.linkedheritage.eu



Main objectives

1. First and most important focus: to provide 3 million new content to Europeana
2. Five key areas of development and innovation:
 - a) The use of linked data
 - b) Persistent identifiers
 - c) Metadata and standards (particularly for non-library sources)
 - d) Multilingual and cross-domain combination of terminologies
 - e) Engagement with the private sector (ONIX mapping)

eInfrastructures for DCH

- DC-NET



- INDICATE



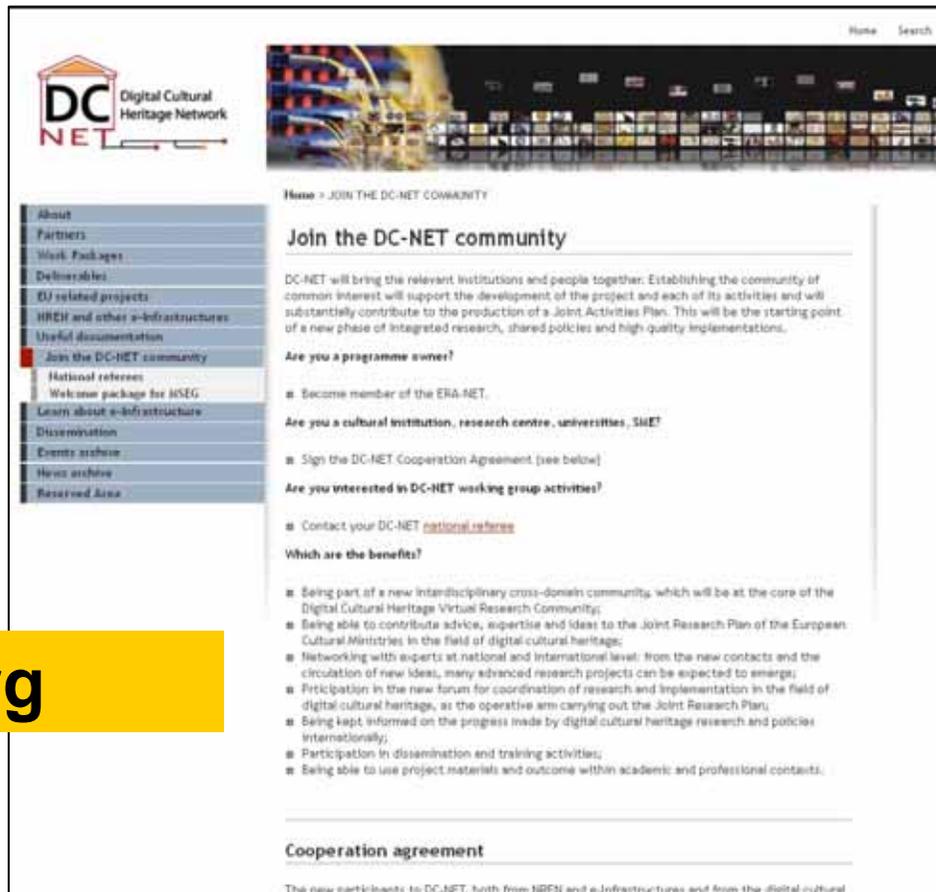
The needs of the DCH sector

1. **Performing informative systems** that assure reliability, data long term preservation, security and sustainability
2. **Access** for the final users
3. **Interoperability** between digitised cultural heritage repositories and research repositories (e.g. chemical analysis on artifacts)

DC-NET

DC-NET (2009-2012) is a network of European ministries and national/regional agencies to coordinate programmes development in DCH, funded by the EC within the e-Infrastructures.

Partners are programme managers (mainly ministries)



The screenshot shows the DC-NET website interface. On the left is a navigation menu with items like 'About', 'Partners', 'Work Packages', 'Deliverables', 'EU related projects', 'HREF and other e-Infrastructures', 'Useful documentation', 'Join the DC-NET community', 'National referees', 'Welcome package for HSEG', 'Learn about e-Infrastructure', 'Dissemination', 'Events archive', 'News archive', and 'Reserved Area'. The main content area features the DC-NET logo, a banner image of server racks, and a section titled 'Join the DC-NET community'. This section includes a paragraph about the network's purpose, followed by three questions: 'Are you a programme owner?', 'Are you a cultural institution, research centre, universities, SME?', and 'Are you interested in DC-NET working group activities?'. Each question has a corresponding bullet point with instructions. Below this is a 'Which are the benefits?' section with a list of six benefits. At the bottom, there is a 'Cooperation agreement' section with a sub-header 'The new participants to DC-NET, both from HREF and e-Infrastructures and from the digital cultural'.

www.dc-net.org

Objectives

- I. to establish a **dialogue** between the Cultural Heritage, the ICT and the e-Infrastructures (***working groups, international conferences & publications***)
- II. to explore how e-Infrastructures can **add value** to the research in the digital cultural heritage and to identify a range of advanced services (***focused seminars and workshops***)
- III. to develop and endorse a **Joint Activities Plan** (***commitment from the stakeholders***)

Research priority services for DCH

1. Long-term preservation
2. Persistent identifiers
3. Interoperability and aggregation
4. Advanced search
5. Data resource set up
6. User authentication and access control
7. IPR and DRM

DC-NET

- Fostering discussion about the digital cultural heritage enabled by the e-Infrastructures
- Defining research priorities
- Investigating the opportunities for CH institutions offered by eInfrastructures

INDICATE

- Widening the discussion in the **Mediterranean region and internationally**
- Implementing research priorities into **case studies** and **pilots**
- Promoting the **access** of CH institutions to eInfrastructures



Thank you!

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<http://www.indicate-project.org>