INDICATE project

Virtual exhibition workshop

Rossella Caffo

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
- CulturaItalia
- 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)

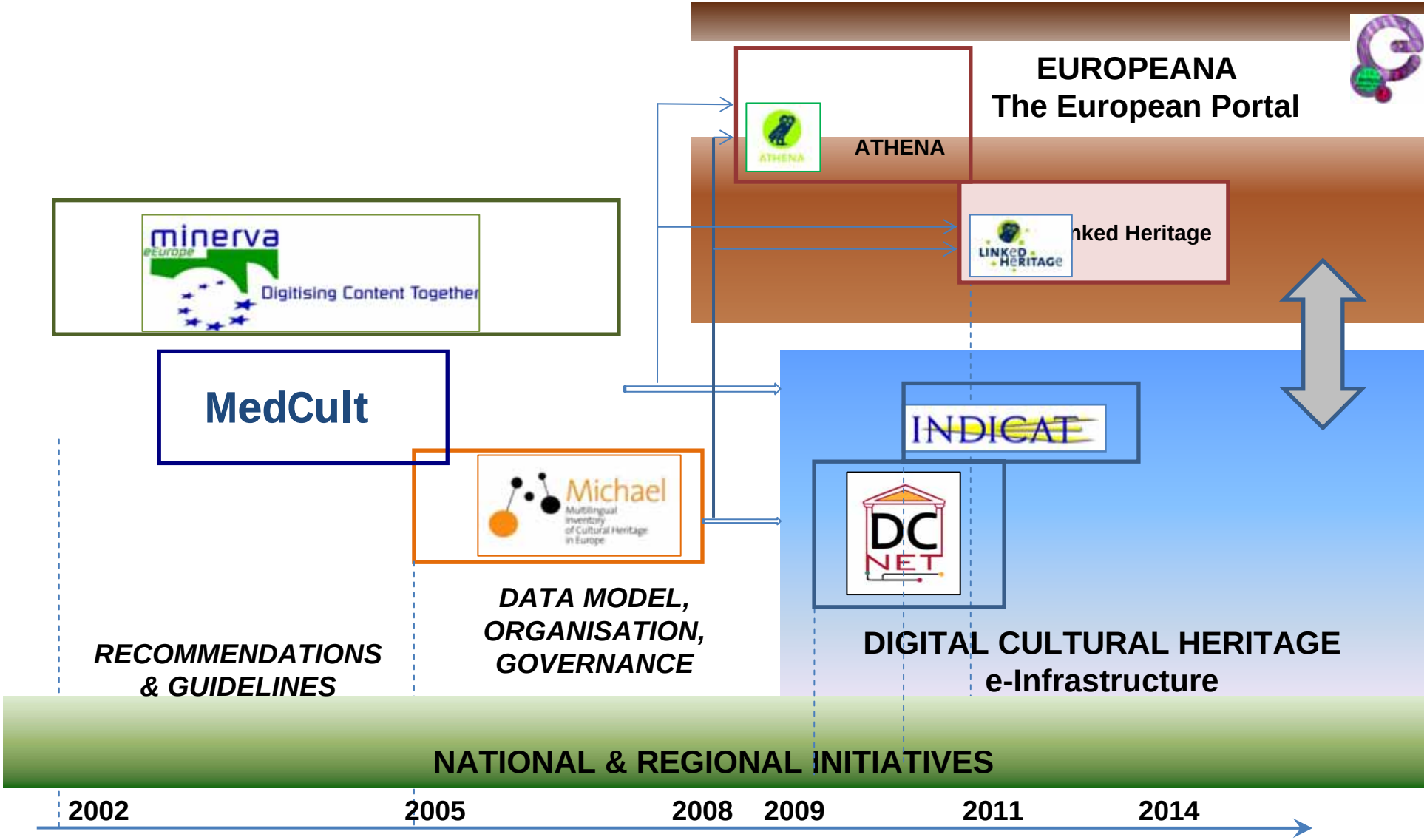
3. Registry of the Italian libraries (16.000)

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

europeana
think culture

Home | Explore | Help | About Us | Follow Us | My Europeana | Choose a language

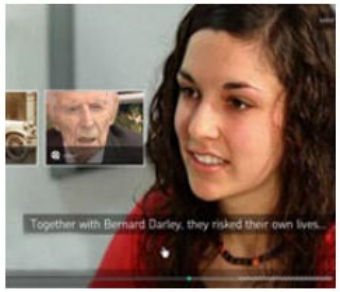
europeana
think culture

Explore Europe's cultural collections

Search

Help

Like 4k +1 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.

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www.europeana.eu

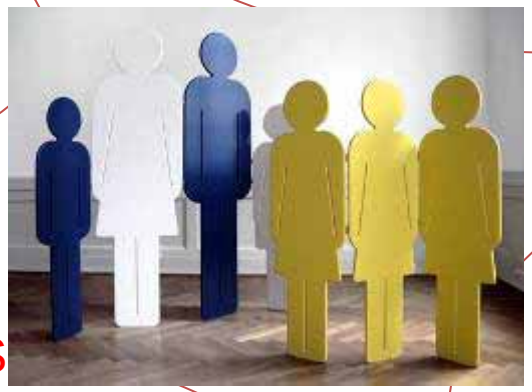
What is the MINERVA network

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 eEurope Minerva Knowledge Base Digitising Content Together

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
Multilingual
Inventory
of Cultural Heritage
in Europe

e TEN

Michael
España

Michael

Michael

Michael
MICHAEL ČESKÁ REPUBLIKA

Michael Deutschland

KB
MICHAEL-NL
MICHAEL Nederland

Michael

Michael

Michael

Michael

Michael
Michael Italia
Cerca collezioni digitali
Cerca servizi
Cerca collezioni tematiche
Cerca istituzioni
MICHAEL Italia
Ricerca semplice
Le mie collezioni
cultura
italia
UN PATRIMONIO DA ESPLORARE
Nuove collezioni
Percorsi tematici

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 Europeana Foundation Board

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

Michael Culture Association

ATHENA

Access to cultural heritage networks across Europe

A network of good practices financed by the *e*Content*plus* 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 Azerbaijian
- 109 museums and other important cultural institutions in Europe

www.athenaeurope.org

ATHENA

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

The mission

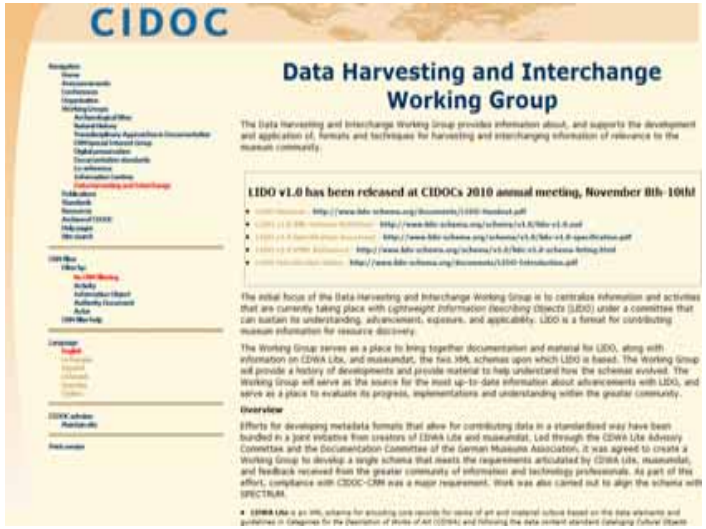
Encourage museums and other cultural institutions to share their cultural content with Europeana, supporting them in this process

European museums have different approaches in:

- **cataloguing**
- **digitisation**
- **metadata standard use**

europeana
think culture

Results:
LIDO (XML harvesting schema)



LIDO
Lightweight Information Describing Objects

LIGHTWEIGHT INFORMATION
DESCRIBING OBJECTS (LIDO):
THE INTERNATIONAL HARVESTING
STANDARD FOR MUSEUMS

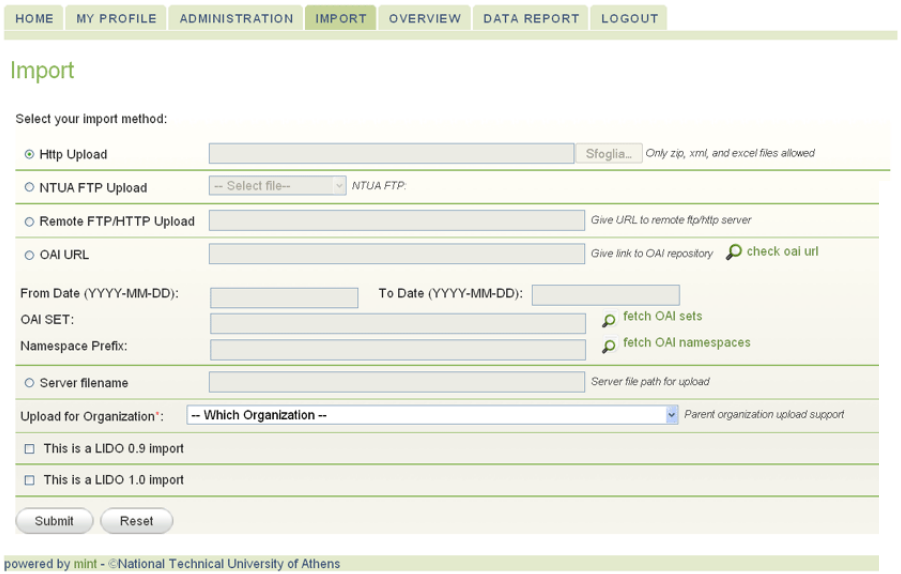
- **LIDO = Light Information [for] Describing Objects**
- **Uses the conceptual reference model CIDOC (CRM)**
- **Includes elements for visualization, indexing and multilingualism**
- **Aligned with the Getty *CDWA Lite and Spectrum standards***
- **Reacher compare to ESE (Europeana Semantic Elements)**

Formalised at international level in December 2010 in Beijing

at the CIDOC International Conference

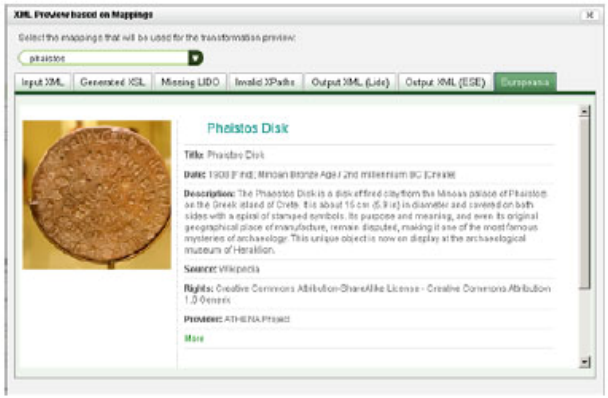
http://www.lido-schema.org

Results: ingestion software (MINT)

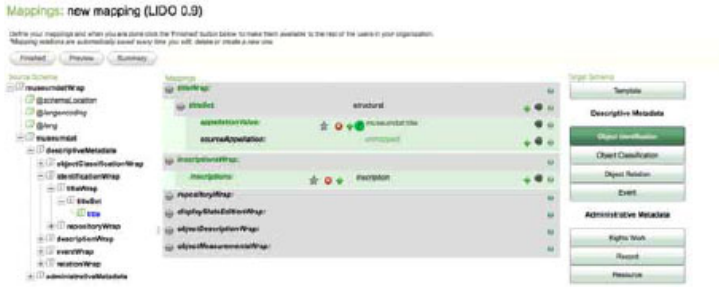


- Developed by NTUA
- Based on LIDO
- Data automatically sent to Europeana
- Used by many EU projects

XML analysis, statistics & preview



Visual mapping (XSL) editor



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

Complex condition editor

europeana
think culture

Matches for: *:* > PROVIDER:Athena

4,012,120 M data!

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 →

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)

Μήδεια
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 Voudouri" - Friends of M 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

Πιρπιρί
Museum of Greek Folk Art / Μουσείο Ελληνικής Λαϊκής Τέχνης
Athena

Γιούρντα
Museum of Greek Folk A Μουσείο Ελληνικής Λαϊκ
Athena

Other results

PERSISTENT IDENTIFIERS (PID)

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

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

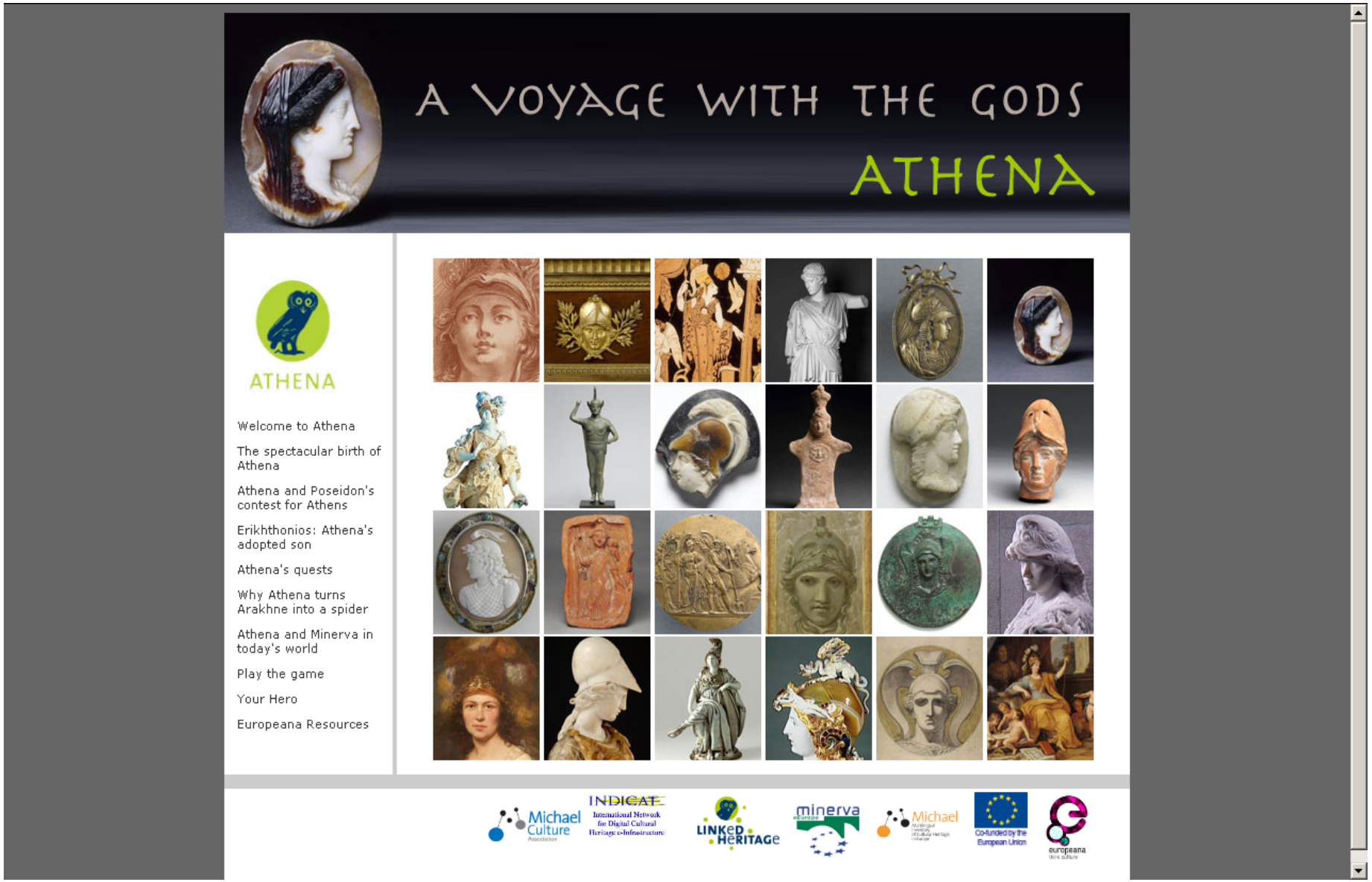
Other results

ATHENA Journal

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

http://www.uncommonculture.org

Other results: virtual exhibition



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

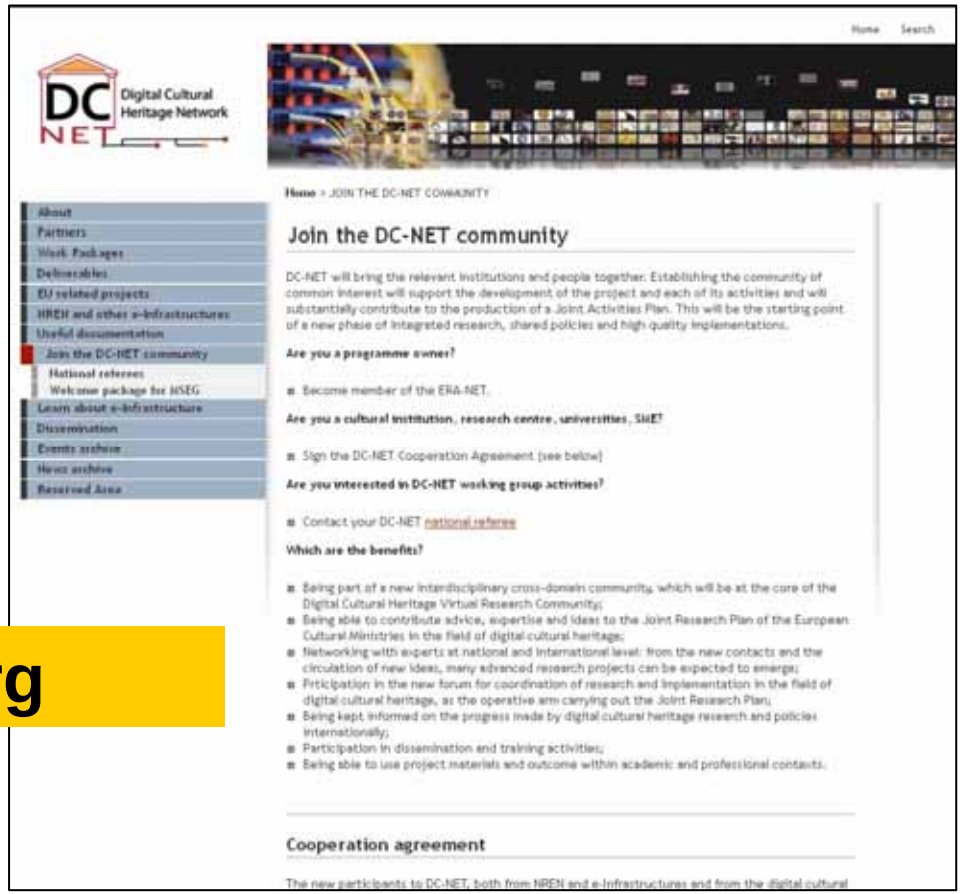
The needs of the DCH sector

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 agencie** to coordinate programmes development in **DCH,** funded by the EC within the **e-Infrastructures**.

Partners are programme managers (mainly ministries)



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

INDICATE

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!

Rossella Caffo

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http://www.indicate-project.org