



University of Cyprus
Library

**Kypriana:
Organising the metadata harvesting
of Cyprus digital libraries and
collections in the frame of
EuropeanaLocal and Athena**

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Agenda

- ❖ What is Kyrpiana
- ❖ The need for Kypriana
- ❖ The frame: EuropeananaLocal and ATHENA
- ❖ Kyprianas' s Objectives
- ❖ The Commitees
- ❖ General guidelines, decisions and implementations
- ❖ Objects forms for Kypriana
- ❖ Challenges
- ❖ Benefits

What is Kypriana

Two dimensions of Kypriana

- ❖ Kypriana is a collaborative effort of Cypriot institutions to contribute in a coordinated way to the development of the EUROPEANA.
- ❖ Kypriana is going to be the Digital Cultural Library of Cyprus

Why Kypriana: the need

- Cyprus: member of European Union since 2004
- Rich cultural heritage holder. Archaeological finding of 8000 years.
- Digitisation not spread to a number of organisations.
- Participation in Europeana's enrichment not at rate that could be.

Why Kypriana: the need

- Participation needs to be coordinated and facilitated through European projects.
- The Cyprus Institute (Cyl) has the responsibility to lead and coordinate this effort in the country
- Funding EU projects ATHENA and EuropeanaLocal

EuropeanaLocal

- EuropeanaLocal is designed to involve and help local and regional libraries, museums, archives and audio-visual archives, make the content that they hold available through Europeana (the European Digital Library) and deliver new services.
- Funded by eContentplus programme of the European Commission,
- started on 1 June 2008.
- <http://www.europeanalocal.eu/>
- <http://www.europeana.eu/portal/>
- http://ec.europa.eu/information_society/activities/econtentplus/index_en.htm

Athena

- Athena aims to reinforce, support and encourage the participation of **museums** and other institutions coming from the sectors of cultural heritage **not fully involved yet in Europeana**;
- coordinate **standards** and activities of **museums** across Europe;
- **identify digital content** present in European museums;
- contribute to the **integration of the different sectors** of cultural heritage, in cooperation with other projects that are more focused directly on libraries and archives, with the overall objective to **merge these different contributions** into Europeana;
- develop a plug-in which will be integrated within Europeana, to **facilitate** the access to digital contents belonging to **European museums**.

Kyprianas' objectives

1. To aspire and involve all research-educational institutions, libraries, archives, audiovisual and cultural authorities related to Cypriot culture and history to **contribute to EUROPEANA**.
2. To highlight the **inter-multi-disciplinary** and complex challenges of such a **collaborative effort**
3. To achieve access and/or **link together the digital collections** held by the collaborative institutions and offer the cultural content in the form of books, periodicals, films and videos, sound recordings, digital images of artifacts and monuments covering the entire of Cyprus' diverse history and culture.

Kypriana: Digital cultural library of Cyprus

Coordinator: The Cyprus Institute (Cyl)

Funding scheme: eContentplus

Framework: Europeana Local and Athena projects

May 2009: 1st official meeting of institutions and cultural authorities related to Cypriot culture and history

Meeting notes:

- ❖ Kyprianas' objectives
- ❖ Digitisation - what the institutions have already done
- ❖ the content the institutions are willing to contribute (free of copyright)
- ❖ What has to be included (in terms of content)
- ❖ Formation of committees

The formation of Committees

Three committees were created for:

A. Coordination

Members

1. The Cyprus Institute
2. University of Cyprus Library
3. Ministry of education and Cyprus (National) Library
4. Cyprus University of Technology Library and Pattichio (Archives of Limassol municipality)
5. Church of Cyprus
6. University of Nicosia
7. Department of Antiquities

Responsibilities:

- Formats, Standards etc. (tiff, jpeg, resolution etc)
- Metadata, Metadata harvesting etc.

The formation of Committees

B. Copyright - Intellectual property

Members

1. The Cyprus Institute
2. L.P Demetriades Law office
3. University of Cyprus Library
4. Church of Cyprus
5. Leventis Municipal Museum of Nicosia
6. Department of Antiquities

Responsibilities

- Control and ensure Copyright and Intellectual property issues

The formation of Committees

C. Quality control

Members

1. The Cyprus Institute
2. University of Cyprus Library
3. Ministry of education and Cyprus National Library
4. Cyprus University of Technology Library and Pattichio (Archives of Limassol municipality)
5. Department of Antiquities

Responsibilities:

Ensure quality of final digitisation results and metadata.

Forms of objects and metadata status

Collaborating institutions hold different kinds of material

Kypriana has to deal with (all 4 combinations):

1. Digitised with metadata (MARC, Dublin Core)
2. Digitised with no metadata
3. metadata in UNIMARC format for non digitised material
4. Non digitised with no metadata, but free of copyright

General guidelines

Institutions can provide materials/objects that are **free of copyright!**

- 2D (text-, image-, manuscripts, images, maps,)
- 3D (artifacts, monuments, etc)]
- Audiovisual

Institutions can make available to the European digital library the works that are already hold in digital form or can be digitised

- Cyprus Institute is going to operate as a **metadata aggregator**, as metadata for Europeana will be harvested from the Cyprus Institute servers and not the participating institutions
- ❖ For the organizations that cannot afford for their own infrastructure, not only the **metadata** but also the **digitized objects** will be hosted in servers of the Cyprus Institute and will be presented via Kyprianas website
- ❖ **only the metadata** will be hosted in Cyl servers for organizations that the digital libraries are or can be hosted in their own servers.

Implementations

- Installation of the **infrastructure**. Servers were installed in the premises of Cyl
- Creation of a catalogue of the proposed digitized **collections** by each institution with information (material mapping):
 - name of the collection,
 - owner,
 - kind of objects,
 - volumes,
 - status of digitization,
 - formats used,
 - number of records,
 - metadata status.
- A second catalogue in progress including individual **objects** in more details (e.g. book titles, author, publication year) to avoid **duplication** by digitizing the same objects.

Challenges

Kypriana has to deal with

Different **forms of Objects** already digitised:

- Audio, Audiovisual, Images, Buildings,
- Paintings, Books, Coins, Maps, Documents, newspapers

Different Software programs:

- Open Source (Dspace, Greenstone etc.)
- ABEKT, Horizon, Advance etc.
- Local /customized

Different metadata sets

- DC, Qualified DC
- MARC

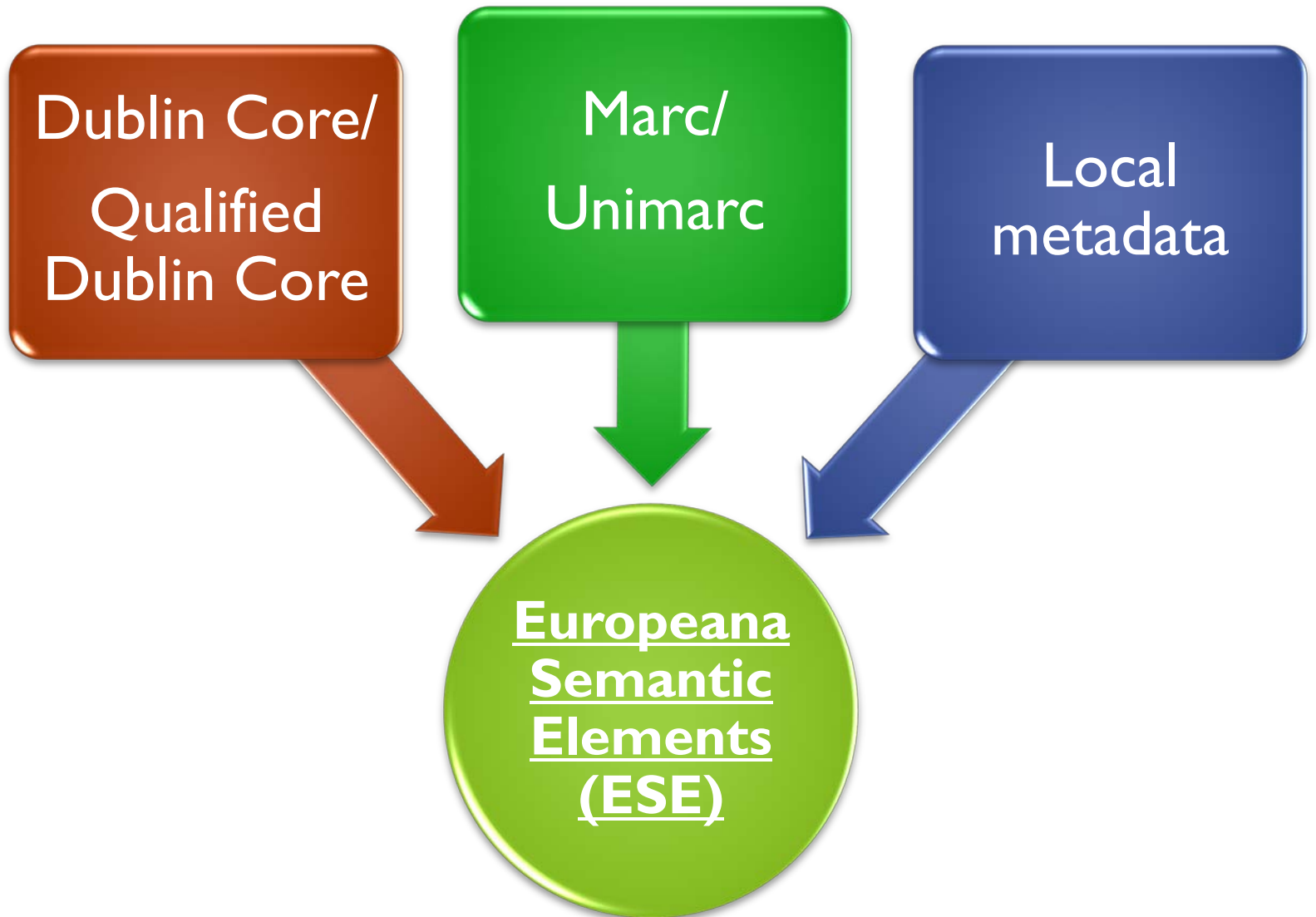
Challenges

Different forms of **authority files** (the **semantic level**):

- Creators, Authors, contributors
- Subjects, locations, etc.

Different multilingual and multiple **character sets** originated from different ILS software programs (Integrated Library Systems)

Metadata schemas



Challenges: format conversion and data migration

What seems to be the **easy job** is

- the conversion of metadata from **UNIMARC** to **DC** and **ESE** for **already digitized material**. The location of the digital object is referred in the UNIMARC Bibliographic **field 856**.
- While, even for those cases that metadata are derived from the MARC format for material not yet digitised, **the field 856 is N/A**. After the digitisation, the **location** of the newly produced digital object **has to be added in the original record**.

Challenges: format conversion and data migration

- For material **not yet catalogued - not yet digitised** the metadata will be created in ESE from the scratch.
- But, if these metadata **are to be also included** in the **local library catalogue**, then they have also to be developed almost from scratch in order to fulfill the **higher bibliographic standards of MARC**.
- As **DC** and **ESE** are very practical and useful but remain only **poor subsets of MARC**.
- First catalogue, then digitise

Benefits from Kypriana

- Direct **contribution** of Cyprus to the European effort for expanding the European Cultural heritage through **EUROPEANA**.
- Opportunity to **collect, preserve** and provide **one point access** to multiple forms of objects of Cyprus **cultural heritage-treasures and history**
- Coordination of digitisation projects to **avoid duplications**
- Conformation on **standards and practices** for the benefit of the institutions and the **end user**.
- Facilitation of institutions that own cultural asset but are not in a position to digitise and **present them to the world**.
- Creation of a reference point for **future contribution** of the local institutions to the European effort.

**Turning in action:
“Think globally, act locally”**

Website of Kypriana

<http://www.kypriana.eu/>

Thank you for your attention



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