

A technical overview of the Linked Heritage Objectives

Antonella FRESA

Promoter SNC



Table of content

- Objectives
- Approach and methodology
- Geographical spread
- Planned outcomes
- Expected impact

Main Objectives

- Contribute large quantity of new content to Europeana, from both the public and private sectors
- To enhance the quality of Europeana content, in terms of its metadata richness, its re-use potential and its uniqueness
- To enable improved search, retrieval and use of Europeana content, both within the Europeana portal and by third parties via the Europeana API

A higher quantity of content in Europeana

Introduction of **private-sector metadata** through the involvement of publishers and the provision of tools to map publisher metadata to Europeana specifications

Facilitation of mapping by memory institutions of their “source” metadata to ESE/EDM, through the use of best practice metadata mapping tools

Direct contribution of content by aggregators and content providers in the LH consortium, including “tier one” countries who have not yet contributed very significant amounts of content to Europeana

Enhanced Content

Content will be described using an evolving, cross-domain **thesaurus** to guarantee the data exploitation by a Semantic Search Engine and to produce multilingual results

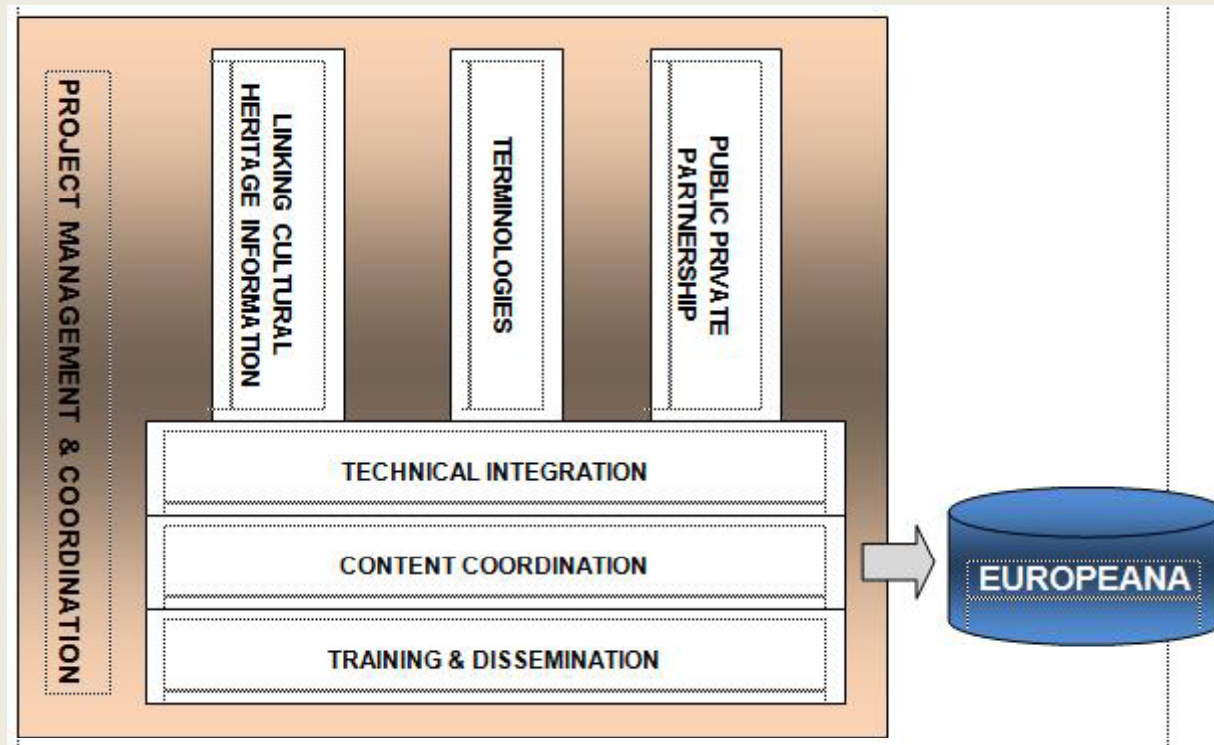
LH content will be converted to **Linked Data RDF triples** and published as a LD store, to enable new value to be extracted

Terminologies will be mapped to one another to underpin more precise user searches and more relevant and targeted results

Content will be tagged with a **PID** to address the problem of broken portal links, as well as the issue of duplicate records

Content records will contain a **rich metadata set**, through the use of an intermediate mapping layer to minimise information loss

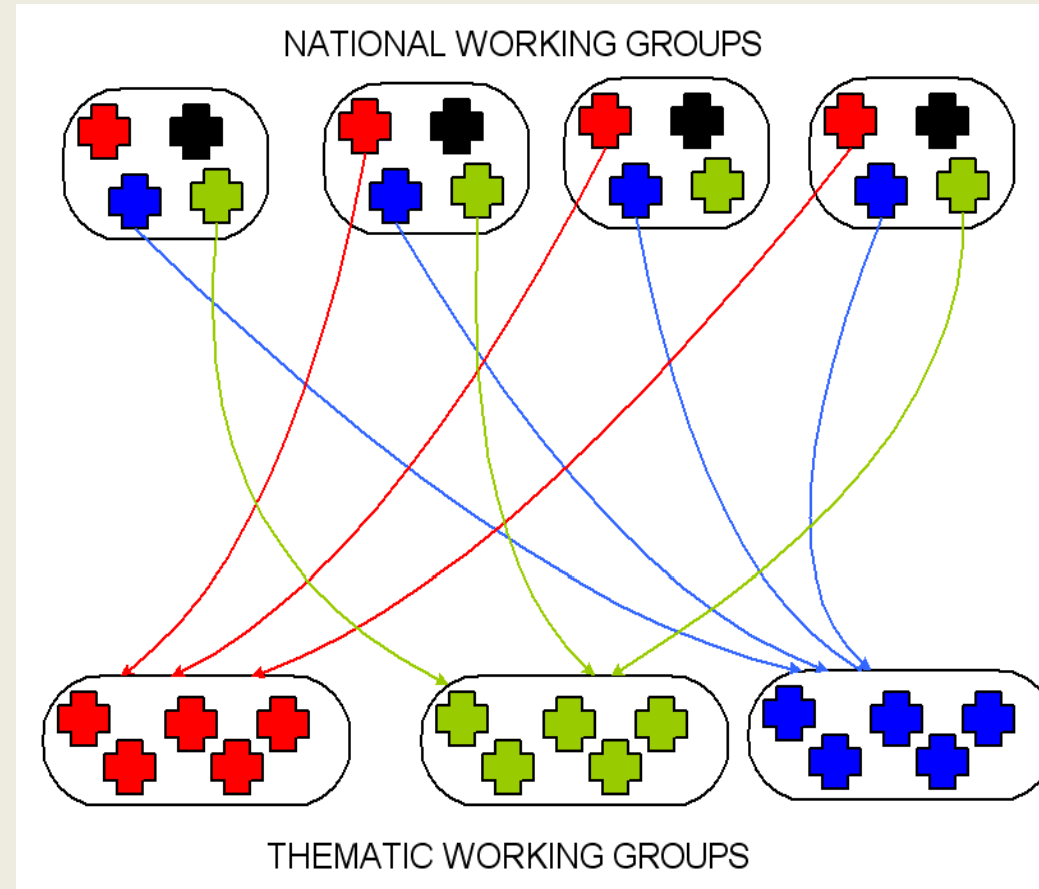
Approach and methodology



Work Packages

- WP1: Project management and Coordination - Italy (ICCU)
- WP2: Linking Cultural Heritage Information - UK (CT)
- WP3: Terminology - Belgium (KMKG)
- WP4: Public Private Partnership - UK (EDITEUR)
- WP5: Technical Integration - Greece (NTUA)
- WP6: Coordination of Content - Cyprus (CREF CYI)
- WP7: Dissemination & Training - Italy (UNIPD)

Working Groups



Working Groups Activities

Linked data to support more expressive semantic processing and make Europeana information available to third parties.

Metadata and standards to improve the richness of content and the alignment with the Europeana data models

Persistent identifiers for preventing duplicate records and broken links

Multilingual and cross-domain terminologies to improve access and retrieval of cultural objects within Europeana.

Engagement with the **private sector** and remediation of their metadata via Europeana.

Other Activities

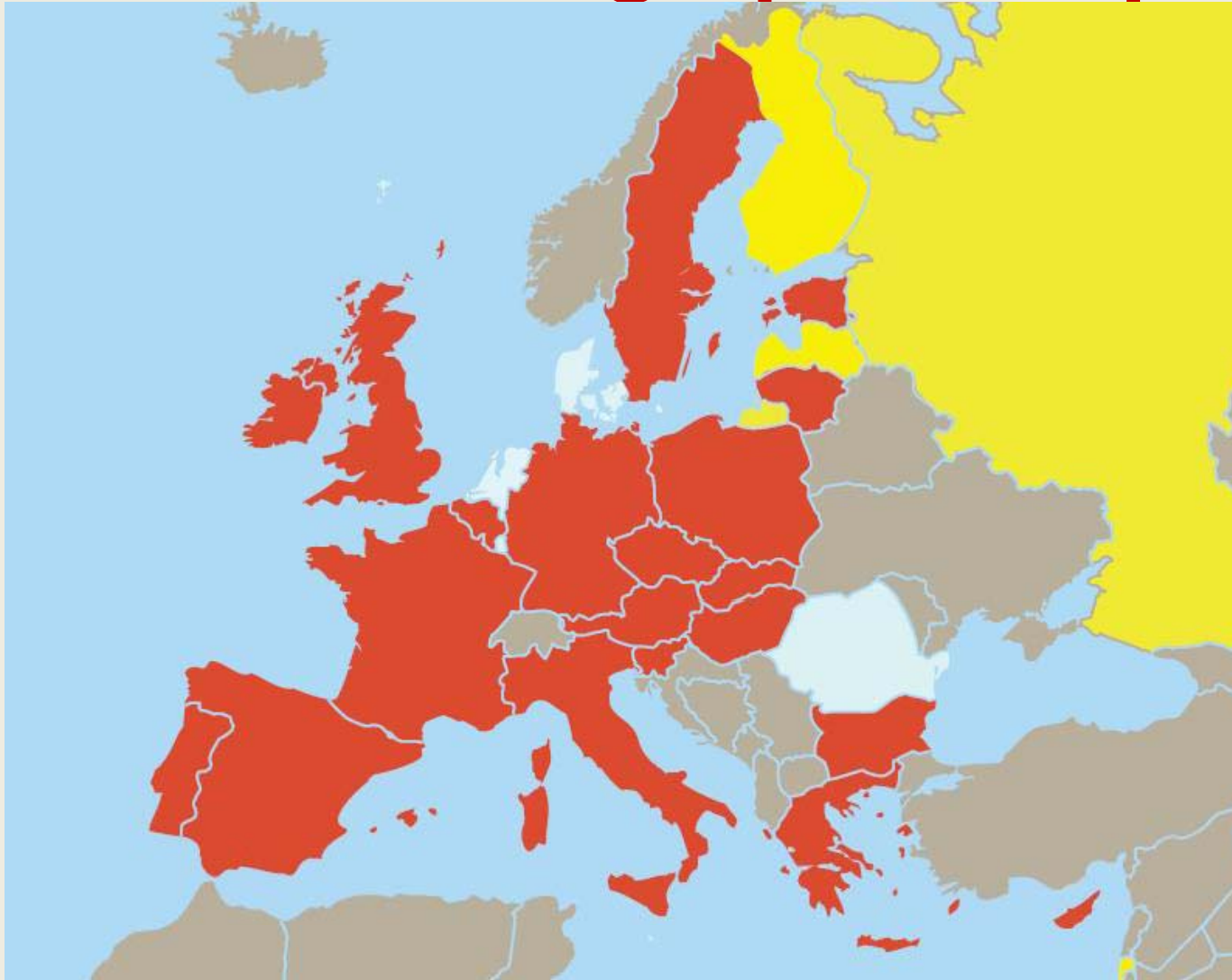
- **Broad international consensus building**, involving ministries and policy makers, memory institutions, research centres & expert (academic and SME), Europeana content providers and aggregators
- **Large-scale implementation** for validation of the best practice results
- **Dissemination and training**, to build awareness, skills and capacity, bridging technology and humanities
- **Collaboration with Europeana** and other ecosystem projects to avoid overlap, to identify synergies and to maximise the impact of the ICT PSP programme

Geographical Spread

- 38 partners
- 24 countries
- 4 external contributors

Italy	France	Estonia	Greece
UK	Spain	Germany	Bulgaria
Slovenia	Cyprus	Poland	Sweden
Belgium	Czech Republic	Slovakia	Hungary
Latvia	Portugal	Austria	Ireland
Israel (external contributor)	Russia (external contributor)	Lithuania (external contributor)	Finland (external contributor)

Geographical Spread



Antonella Fresa, Promoter

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12

Planned Outcomes

- **3 Millions** of new and enhanced items listed in Europeana
 - The content provided by LH to Europeana is **cross-domain**, i.e. it does not focus on a specific subject matter but it covers different themes and topics
- A better informed and upskilled **cultural heritage community**
- Documented, agreed and published **guidelines and handbooks** addressing key issues and obstacles for Europeana ecosystem members
- Valuable new **software tools**, all released as open source

Expected Impact

- Foster the usage and visibility of Europeana by increasing the quality of content and metadata and by making available content coming from countries which are under-represented
- Offer to the users powerful search and retrieval services through the semantic enrichment and linking of resources
- Help to overcome multilingual and multicultural barriers through the adoption of evolving, cross-domain terminologies which allow to get results in other languages than the one used for the request, about contents in other countries than the one where the user is located

Expected Impact (cont'ed)

- Strengthen the involvement of the private sector in Europeana
- Help to close the “20th century black hole”
- Foster the sharing and usage of digital cultural heritage data by developing a set of best practice guidelines, handbooks, toolkits and other software assets to address problems associated with
 - Broken links and duplicate metadata records
 - Semantic linking of resources
 - Non-standard descriptive terminologies
 - Preservation of complex metadata models

Thank you for your attention

Antonella Fresa
LH Technical Coordinator

fresa@promoter.it