EUROPEANA METADATA INGESTION

20.11.2012, Helsinki, Finland
As of now, Europeana has:

→ 22,322,604 Metadata (related to a digital record) in CC0
→ 3,698,807 are in the Public Domain
→ 697,031 Digital Objects from Finland (Athena, The European Library, The National Library of Finland, OpenUp!, Svenska litteratursällskapet i Finland, EFG, Helsingin kaupunginkirjasto, BHL Europe)
After September 2012
20+ million cultural records for free re-use!

Get started with the Europeana API »
Legal Requirements for Providing Data

Data providers and aggregators provide Europeana with metadata, a thumbnail and a link pointing to a digital object at the provider's website. The terms regarding data delivery and re-use are governed by Europeana's Data Exchange Agreement. You can find more about the Data Exchange Agreement and all other aspects of the Europeana Licensing Framework here. This framework governs Europeana's relationship with the data providers and aggregators, and sets out conditions for data re-use. More information on data re-use can also be found here.

Data Exchange Agreement

The Data Exchange Agreement establishes two main rules relating to the intellectual property rights in the metadata and content delivered to Europeana:

1. All metadata provided to Europeana will be published by Europeana as open data under the terms of the Creative Commons Zero Public Domain Dedication (CC0).
2. Each digital object (and the associated preview) that is available via Europeana needs to carry a rights label that describes its copyright status (see 'Rights Labelling' below). If an object is in the public domain, it must be labelled as being in the public domain.

You can find more information on the difference between metadata and content here and you can find a summary of Europeana's policy regarding public domain content here.

Rights Labelling

When providing data about digital objects to Europeana, data providers are asked to provide rights information. The rights information about a digital object is recorded in the edm:rights field and communicated to users whenever data related to the object is displayed or otherwise published.
Europeana builds on three layers of information:

Layer #1: Digital objects (on the site of the provider)

Layer #2: Previews (lower quality versions of #1)

Layer #3: Metadata (descriptive object information)
Rights information about content (EDM:rights):
Rights information about previews on Europeana:

Внимание!

Creator: Заведение на Манол Джанев
Date: [1927]
Type: обяв/реклама/ъвхчение
Subject: заведения | храни/напитки
Relation: Баренски периодичен печат в края на 19 и началото на 20 век.
Description: Реклама.
Data provider: Регионална библиотека ПЕНЧО СЛАВЕЙКОВ - Варна/Public Library - Varna
Provider: Регионална библиотека ПЕНЧО СЛАВЕЙКОВ - Варна / Public Library - Varna | Bulgaria

Explore further!

Rights: Регионална библиотека ПЕНЧО СЛАВЕЙКОВ - Варна
The object itself remains on the site and under the control of the data provider
End user terms: CC0 1.0 Universal Public Domain

Dedication:

CC0 1.0 Universal (CC0 1.0)
Public Domain Dedication

No Copyright

The person who associated a work with this deed has dedicated the work to the public domain by waiving all of his or her rights to the work worldwide under copyright law, including all related and neighboring rights, to the extent allowed by law.

You can copy, modify, distribute and perform the work, even for commercial purposes, all without asking permission. See Other Information below.

Other Information

- In no way are the patent or trademark rights of any person affected by CC0, nor are the rights that other persons may have in the work or in how the work is used, such as publicity or privacy rights.
- Unless expressly stated otherwise, the person who associated a work with this deed makes no warranties about the work, and disclaims liability for all uses of the work, to the fullest extent permitted by applicable law.
- When using or citing the work, you should not imply endorsement by the author or the affirmer.
From the Data Provider to the Europeana Portal
From the Data Provider to the End User

A COLLABORATIVE PROCESS

DATA PROVIDER (MUSEUMS, ARCHIVES, LIBRARIES)

NATIONAL AGGREGATOR - PROJECT

EUROPEANA BUSINESS AND OPERATIONS TEAM

EUROPEANA PORTAL

END USER
Ingestion cycle: Step by Step

BUSINESS TEAM

Partner request to Europeana, establish partnership & sign Europeana Data Exchange Agreement

OPERATIONS TEAM

- Cultural Heritage Organisation starts workflow with Ingestion Team
- Sign Content Contribution Form
- Ingestion Team provides feedback on harvesting and metadata mapping
- Ingestion of provided datasets & publication on Europeana portal
- Ingestion of updated and new datasets – content@europeana.eu
Documentation on pro.europeana.eu

Technical requirements

Whether you provide data to Europeana directly as a data provider or indirectly via an aggregator, certain basic technical requirements must be fulfilled:

Your metadata must conform to the Europeana Semantic Elements (.doc), a Dublin Core-based set of fields with additionally 12 specific Europeana elements, which are necessary for records to display correctly in Europeana. Aggregators develop tools with which they can help providers to map their metadata to the Europeana Semantic Elements.

Persistent identifier: Europeana links from the metadata in our index to the digital object on your website, therefore you must provide a persistent URL: a web location that never changes, in this way, users of Europeana can always connect to the digital object on your website.

OAI-PMH: The Protocol for Metadata Harvesting is our preferred method of capturing your metadata; therefore you will need to have OAI-PMH implemented in your system. As an alternative, you can place your metadata on an FTP server from which we can manage it.

ESE3.4 documentation

Europeana Semantic Elements specifications v3.4
Metadata mapping and normalisation Guidelines v2.1
Europeana Semantic Elements v3.4 XML Schema | About the Europeana Semantic Elements v3.4 XML Schema
Europeana Content Checker version 2.0 User Guide

Useful resources

Europeana Rights Guidelines
Technical Report: Archival Digital Object Ingestion into Europeana (ESE-EAD harmonisation) v1.0
Europeana Portal Image policy

Moving from ESE to EDM

ESE is a subset of EDM and can therefore be mapped directly to it. Europeana will make ESE records compliant with...
Ingestion time-line

MONTHLY CYCLE

• Ingestion closes before the end of every month **21st** as a preferred deadline

• Publication: new content in portal every first week of the month
METADATA QUALITY IN EUROPEANA
Europeana holds descriptive metadata rather than digitized objects. Improvements to this data offer better search results to users and increase the research opportunities that are enabled by Europeana.

We are developing guidelines, tools and training to help content providers improve and standardize data quality and the validity of persistent identifiers. We are enforcing the clear attribution of rights information so that users know how they can legitimately use the content.
The web works on the basis of things being found; scholarship functions on traceable reference. These require that the cultural heritage sector ensures the persistency of its digital heritage in the same way that it has preserved and made accessible our physical and intellectual heritage.

Agreement must be reached on the use of persistent identifiers so that links are not broken, users are not alienated and scholarship can proceed on the basis of secure citation.
The full potential of interoperability will be unlocked by the implementation in 2011 of the Europeana Data Model (EDM), a new way of structuring data. EDM will enable the use of Semantic Web Technology, support Linked Open Data, maintain more domain-specific rich information and allow digital objects from providers to be shown alongside authoritative and curated information from other domains.

The change will benefit not only Europeana but also our providers who will be able to use the enriched data to upgrade to their own users.
Metadata Quality Matters
RIGHTS STATEMENT - What does it communicate to the user?
METADATA QUALITY MATTERS
Links to the Digital Object
Metadata Quality Matters
LINKS TO THE DIGITAL OBJECT

HTTP Error 404

404 Not Found

The web server cannot find the file or script you asked for. Please check the URL to ensure that the path is correct.

Please contact the server's administrator if this problem persists.
Metadata Quality Matters
IMAGE QUALITY

Beurs van Hendrik de Keyser te Amsterdam

Collectie
prenten

Objectnummer
RP-P-1908-564

Titel(s)
Beurs van Hendrik de Keyser te Amsterdam
La Bourse d’Amsterdam (titel op object)

Datering
1816 - 1833
Metadata Quality Matters

IMAGE QUALITY
METADATA QUALITY MATTERS

Europeana Data Model
Metadata Quality Matters

EDM - *How will EDM will help improving the quality of the metadata?*

EDM transcends domain-specific metadata standards, yet accommodates the range and richness of community standards such as LIDO for museums, EAD for archives or METS for digital libraries.

Edm facilitates Europeana’s participation in the Semantic Web, basing itself on an open, cross-domain, semantic web-based framework.
Metadata Quality Matters

EDM - How will EDM will help improving the quality of the metadata?

1. Distinguish between the real world object (painting, book, program) and its digital representation

2. And the object and the metadata record describing the object.

3. Support for objects that are composed of other objects

4. Have compatibility with different abstraction levels of description

5. Re-use and extend elements from existing standards

6. Flexible support for describing contextual resources, including concepts from controlled vocabularies
Metadata Quality Matters

EDM - *How will EDM help improve the quality of the metadata?*
Thank you

Francesca Morselli

Francesca.morselli@kb.nl
Concepts to further develop during the workshop:

- Importance of the Rights Statement
- Persistent identifiers to avoid broken links
- How EDM will help to improve the data quality in Europeana
- Image Quality for a meaningful user experience