



IPA Cross-Border PROGRAMME
Greece - Albania
2007-2013



Digital Libraries Europeana Interoperability

Workshop

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What is a digital library?

- ***A digital library*** is a collection of documents in organized electronic form (***digital objects***) available on the internet.
- Digital objects may include text, audio, and video.
- Digital libraries provide an effective means for easily accessing content from anywhere and anyplace.
- Digital library is a type of ***information retrieval system***.

Digital Objects & Metadata

Metadata is an additional information stored along with each digital object:

- Information about **title, author, publisher of the object, or, keywords** associated with the content of the object.
- Information necessary for curating the object such as its **access rights**
- Information about the **objects structure** (e.g., division in chapters).
- It may also describe the conditions under which the data stored in a database was acquired, **date, time, method of compilation and processing**, etc

The Contrast Between Tradition & Digital Libraries

- The content of a digital is available from *anyplace*.
- The content is available *anytime*.
- Subject to copyright issues, a digital object may be *accessed simultaneously* by a number of institutions and patrons.
- Digital libraries offer *information retrieval enhanced search*

The Contrast Between Tradition & Digital Libraries

- Digitization allows the *preservation* of books and other materials
- Digitization may *enhance the quality and legibility* of images and text
- *No storage limitation*

Mayor Digital Libraries

- Europeana
- Google Books
- The Internet Archive
- Open Library
- HathiTrust

Europeana

- Internet portal of *millions of books, paintings, films, museum objects and archival records* that have been digitized throughout Europe. (<https://europeana.eu>)
- Europeana connects the collections – *45 million items and counting.*
- More than **3,500** institutions across Europe have contributed to Europeana.
- Supports different types of content
- Collects contextual information not the real data

Google Books

- Service provided by Google (<https://books.google.com>)
- Consists of books and magazines, stored in a digital database (***over 25 million of books***)
- **Sources:** publishers, authors, and libraries.
- The goal is to create a *comprehensive, searchable, virtual card catalogue of all books* in all languages.
- Different interfaces based on access levels.
 - Full Preview, Preview, Snippet view, No Preview

The Internet Archive

- Non-profit library that provides free public access to **petabytes** collections of digitized materials.
(<https://archive.org>)
- Includes websites, software applications, music, games movies, and etc.
- Allows public to upload digital material and uses web crawlers to automatically collect data.
- The text collections includes digitized books from libraries located world-wide.

Open Library

- An Initiative of Internet Archive for facilitating access to digital book (<https://openlibrary.org>)
- Includes a web database for every book that was ever published.
- Consists of **23 million** catalog records of books.
 - Over *6 million digital books* in various formats
- **Digital lending library**
 - Offers access to an e-book lending program for over 250,000 books not in the public domain through a partnership with over 1,000 libraries

HathiTrust

- Online repository (<http://www.hathitrust.org>)
 - Published works for scholarship and education.
- Consists of 13.1 million volumes (4.7 billion pages).
- Partnership of over 100 major research institutions and libraries.
- Provides shared strategies for managing and developing their digital data.
- HathiTrust archive is collected from various sources.
 - Google Books, university libraries, the Internet Archive and private collections

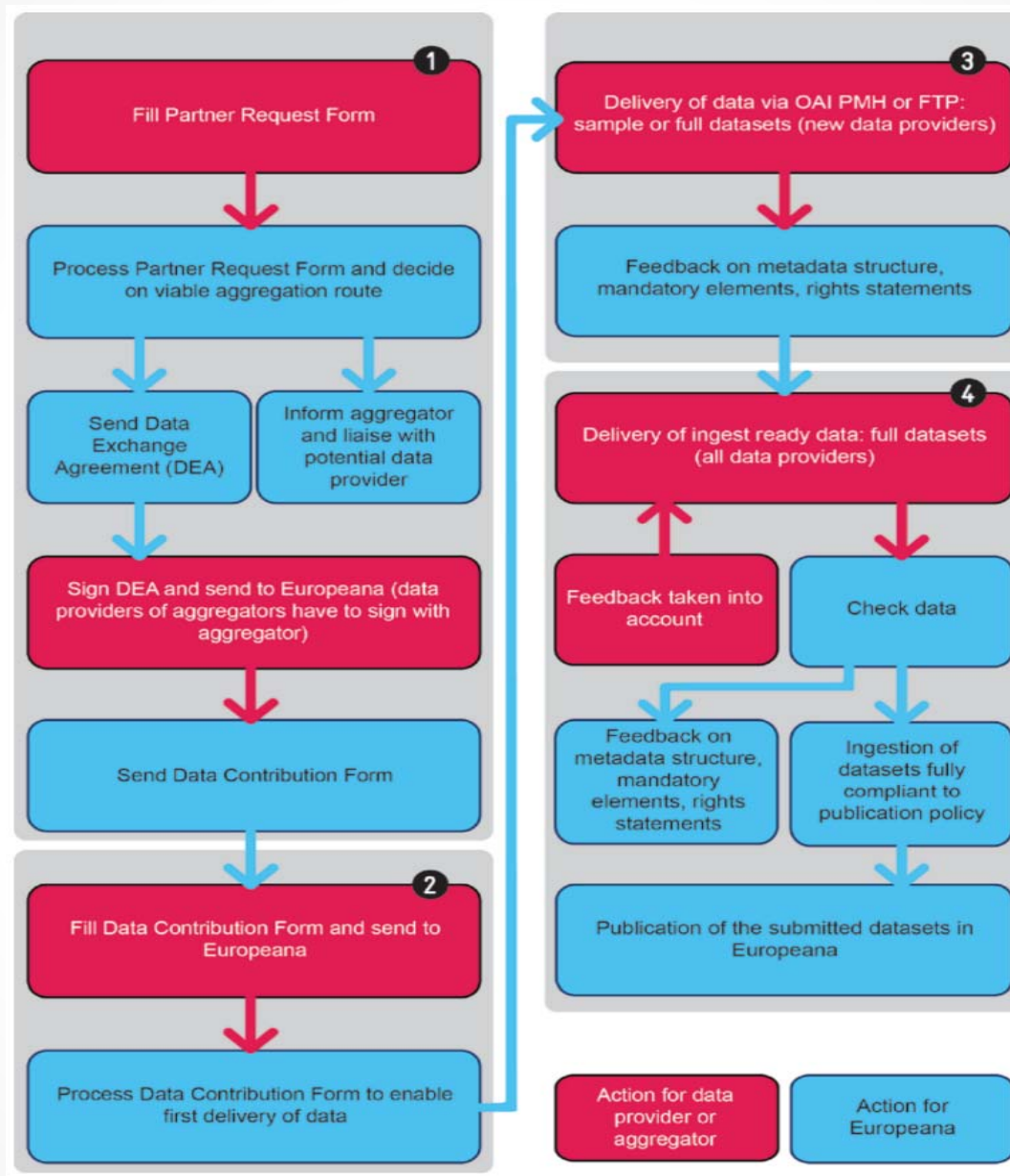
Connecting Balkaneana to Europeana

Why become a part of Europeana?

- Provides richer context and increase the visibility of your collections.
- Makes your collections available for re-use by other services.
- Get advice on copyright issues and how to pick the right license.
- Identify potential partners and joint funding opportunities.
- Connect with like-minded industry professionals to solve common issues

Sharing your data

Workflow



How to share data

1. Europeana Publishing Guide
 - Outlines the criteria for submission of metadata
2. Contact Europeana
 - Recommendations for partner aggregators
3. Sign Data Exchange Agreement
4. Fill in the Data Contribution Form
5. Delivery of data
 - Sample or full dataset
6. Feedback on metadata structure, mandatory elements, right statements

Mandatory Metadata

- Title (dc:title) or a description (dc:description)
- Language of the document (dc:language)
- Type of digital object (edm:type)
- Context and details about the digital data (dc:subject, dc:type, dcterms:spatial)
- Actual cultural heritage institution (edm:dataProvider)
- URL link (edm:isShownAt or edm:isShownBy)
- Valid rights statement (edm:rights)

Example of a record

Cultural Herital Object: *Καλή χρονιά. Το περιβάλλον γύρω μας*

Informaton

Id: #balk11200

Provider: [Public Library of Konitsa](#)

CHO Language: [Greek](#)

Type: [IMAGE](#)

Original Title: *Καλή χρονιά. Το περιβάλλον γύρω μας*

Original Title Language: *Greek*

English Title: *Καλή χρονιά*

Other Title: *Το περιβάλλον γύρω μας*

Other Title Language: *Greek*

Creator: *Αδερφότητα Δροσοπηγιωτών Δήμου Κόνιτσας*

Publisher: *Αδερφότητα Δροσοπηγιωτών Δήμου Κόνιτσας*

Place: [Δροσοπηγή](#)

Year: 2014

Subject:

- *Ημερολόγιο φωτογραφικό*

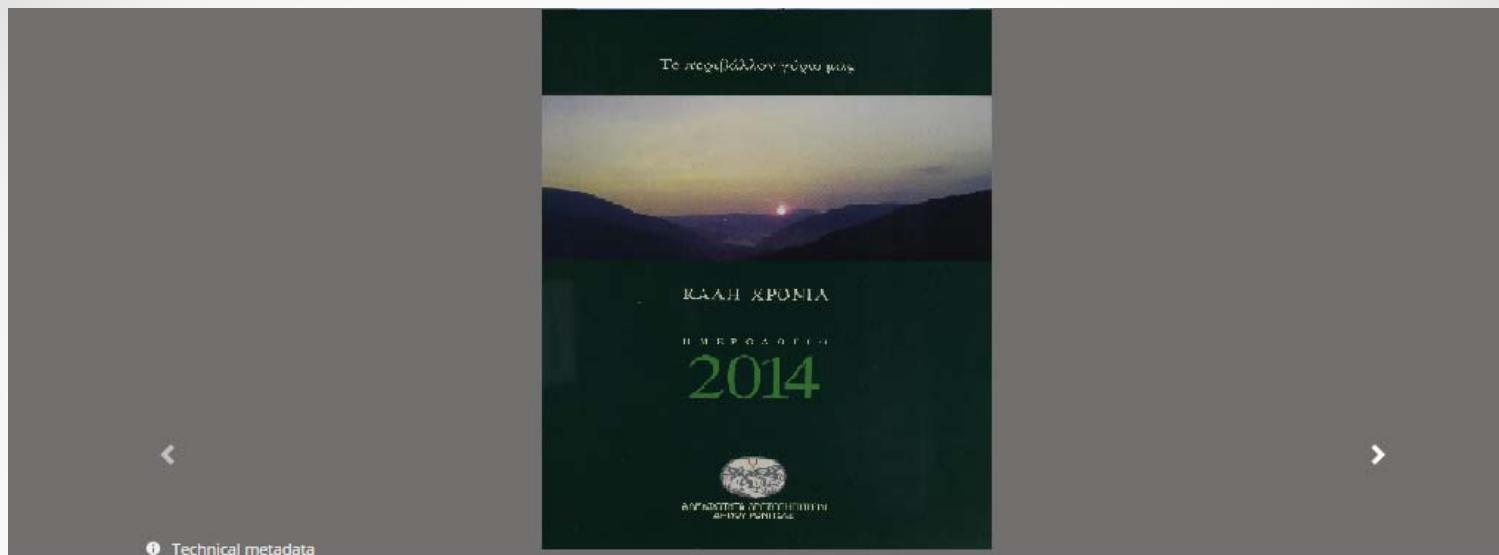
Rights: [Rights Reserved - Free Access](#)

*This rights statement is applicable when users have free (as in gratis) the digitised object on the data provider's website.

Image 



```
<edm:ProvidedCHO rdf:about="#balk11200">
  <dc:date>2014</dc:date>
  <dc:subject xml:lang="gr">Ημερολόγιο φωτογραφικό.</dc:subjct>
  <dc:identifier>#balk11200</dc:identifier>
  <dc:title xml:lang="gr">Καλή χρονιά. Το περιβάλλον γύρω μας.</dc:title>
  <edm:type>IMAGE</edm:type>
</edm:ProvidedCHO>
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Technical metadata

Title Καλή Χρονιά. Το περιβάλλον γύρω μας

Classifications
Type: Image
Subject: Ημερολόγιο φωτογραφικό

Time
Date: 2014
Creation Date:
Place/Time: Δροσπηγή

Provenance
Institution: University of Ioannina
Provider: Public Library of Konitsa
Providing Country: Greece
First Published In Europeana: 2016-05-03
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Thank you!
Questions?

Project's Site:
<http://Balkaneana.eu>