

Tools to make your collections widely visible

A two days European event dedicated to museums



Co-organized by Michael Culture Association, NEMO and SPK
Under the framework of Europeana DSI project

Aggregating content for Europeana: The MUSEU workflow

Marzia Piccininno – MICHAEL Culture Association

Berlin, 15-16 February 2016

9.30 – 9.50

Aggregating content for Europeana: the MUSEU workflow,

Marzia Piccininno, Michael Culture Association

9.50 – 10.10

Best practice: museum-digital.de. Local museums towards Europeana.

Stefan Rohde-Enslin, Institut für Museumsforschung

10.10 – 11.30

Introduction into LIDO

Regine Stein, Bildarchiv FotomARBURG

11.30 – 11.45

Coffee break

11.45 – 13.00

Introduction into working with MINT

Nikos Simou, National Technical University of Athens

13.00 – 14.00

Lunch

14.00 – 17.00

Practical session on the use of LIDO and MINT



<http://www.minervaeurope.org/>



<http://www.michael-culture.org>

Coordinating digitization in Europe and deploying new services

- Not-for profit organisation
- Founded in April 2007 under Belgian law
- Gathers professionals working in the field of digital cultural heritage
- Members: from all over Europe & beyond including public agencies, cultural institutions and private organisations.
- Funded by the European Commission as a cultural network (2010)
- MCA is member of Culture Action Europe
- **MCA and NEMO: partnership agreement**

Goal

Promoting and valorising European cultural heritage

Activities

- Networking
- Technology watch and dissemination of best practices
- Participation in European and international projects
- Training and publications
- Management and development of services

Offices

Paris – Roma - Brussels

Europeana DSI - Digital Service Infrastructure

1st April 2015 – 31st May 2016

Call: Connecting Europe Facility – Telecommunications 2014 - Europeana - Core Service Platform

Objectives

- continue to connect the online collections of Europe's cultural heritage institutions
- innovate the aggregation infrastructure
- boost the distribution infrastructure
- work towards long-term financial stability through business model innovation

27 partners

Stichting Europeana Europeana Foundation (EF): leader

MCA: full partner as aggregator for museums

<http://pro.europeana.eu/project/europeana-dsi>



The aggregators

Europeana works with three types of aggregator:

- National/regional level
- Domain-level (libraries, archives, museum, AV)
- Theme-focused (fashion, architecture)

MUSEU is the aggregator for the museums.

Add a search term

AGGREGATOR: AthenaPlus
AGGREGATOR: Athena
AGGREGATOR: Linked Heritage

REFINE YOUR SEARCH

MEDIA

- ☐ Image (5,539,404)
- ☐ Text (1,241,513)
- ☐ Sound (41,972)
- ☐ 3d (20,314)
- ☐ Video (18,112)
- ☐ Only items with links to media

CAN I USE IT?

- ☐ Only With Permission (5,060,266)
- ☐ Yes With Restrictions (1,297,540)
- ☐ Yes With Attribution (503,509)

COUNTRY

- ☐ Italy (2,741,189)
- ☐ Germany (1,516,084)
- ☐ Spain (512,608)
- ☐ Greece (241,506)
- ☐ Czech Republic (227,298)

[More](#)

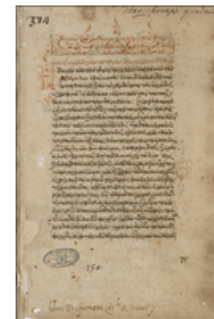
LANGUAGE

6,861,315 results

Characteres | Theophrastus, c. 371-c. 286 a.C.

[View at Biblioteca Apostolica Vaticana](#)

 Text



Michaelis Apostolii epistulae (1494) | Apostolios, Michael, c. 1422-c. 1480

[View at Biblioteca Apostolica Vaticana](#)

 Text



Historiae | Thucydides, c. 465-395 a.C.

[View at Biblioteca Apostolica Vaticana](#)





Add a search term



COUNTRY: [Germany](#) | AGGREGATOR: [AthenaPlus](#) | INSTITUTION: [museum-digital](#)

REFINE YOUR SEARCH

MEDIA

- ☐ Image (9,855)
- ☐ Only items with links to media

CAN I USE IT?

- ☐ Yes With Restrictions (8,620)
- ☐ Only With Permission (1,181)
- ☐ Yes With Attribution (54)

COUNTRY

- ☒ Germany (9,855)

LANGUAGE

- ☐ Deutsch (9,855)

AGGREGATOR

- ☒ AthenaPlus (9,855)

9,855 results

Pinball Mania

 Verpackungsinhalt:

 Handbuch, Registrierungskarte, 2 x 3,5 Zoll Disketten

 EAN: 5012635400136 (Computerspielemuseum Berlin)

Video game

[View at museum-digital](#)

 [Image](#)



Pirates!

Seien Sie ein Pirat in der Karibik. Erfolgreiches Spiel von Sid Meier.

 Verpackungsinhalt:

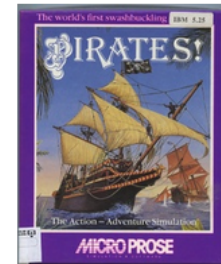
 Handbuch, Registrierungskarte, Karte, Installationsanleitung, 2 x 5,25 Zoll Disketten

 EAN: 5015352061147 (Computerspielemuseum Berlin)

Video game

[View at museum-digital](#)

 [Image](#)



...or this

europeana
ollections


[Home](#)
[Collections](#)
[Browse](#)
[Exhibitions](#)
[Blog](#)


OUR SITES


EUROPEANA ART HISTORY


Add a search term


europeana






 Art Nouveau posters






 Japanese objets d'art











 Spotlight on Botticelli




 Spotlight on Alexander Roslin




 Spotlight on Hokusai

OR

EVEN

MORE

What kind of data?

 Add a search term



REFINE YOUR SEARCH

MEDIA

- ☐ Image (27,637,513)
- ☐ Text (19,452,132)
- ☐ Video (1,084,553)
- ☐ Sound (813,297)
- ☐ 3d (25,392)

☐ Only items with links to media

49,012,888 results

Anicius Manlius Severinus Boetius , De consolatione Philosophiae. [Paris, BnF, MSS Latin 6405] | Boethius, Anicius Manlius Severinus (0480?-0524). Auteur du texte

Le volume, qui porte au f. 68v la signature de Nicolas Garbet, précepteur des trois fils de Louis d'Orléans , a peut-être servi de livre d'étude aux jeunes princes, à l'exemple du ms. Bnf., Latin 5747 (Salluste, Jugurtha). Les descriptions des différents exemplaires du De...

[View at National Library of France](#) 

 Text



Data Exchange Agreement – DEA

- All content providers have to sign the Data Exchange Agreement (DEA) before the publication of their content
- Download the form at:
<http://pro.europeana.eu/page/the-data-exchange-agreement>
- Sign two copies and send them to Europeana (address in the text)



europeana
foundation

www.europeana.eu

Koninklijke Bibliotheek
Prins Willem-Alexanderhof 5
Postbus 90407
2509 LK Den Haag
Nederland

Europeana Data Exchange Agreement

Parties:

Europeana Foundation (formerly EDL Foundation)

Address: Koninklijke Bibliotheek, Prins Willem-Alexanderhof 5,
2509 LK The Hague, The Netherlands

Phone: +31 70 314 0952

URL: www.europeana.eu

Name of authorised Person: Jill Cousins

Title/Role in organisation: Executive Director

Work Phone: +31 70 314 0952

Work Email: jill.cousins@kb.nl

Hereafter named: 'Europeana'

And

Name of organisation:

Address:

Phone:

Email:

URL:

Name of authorised Person:

Title/Role in organisation:

Work Phone:

Work Email:

Hereafter named: 'Data Provider'

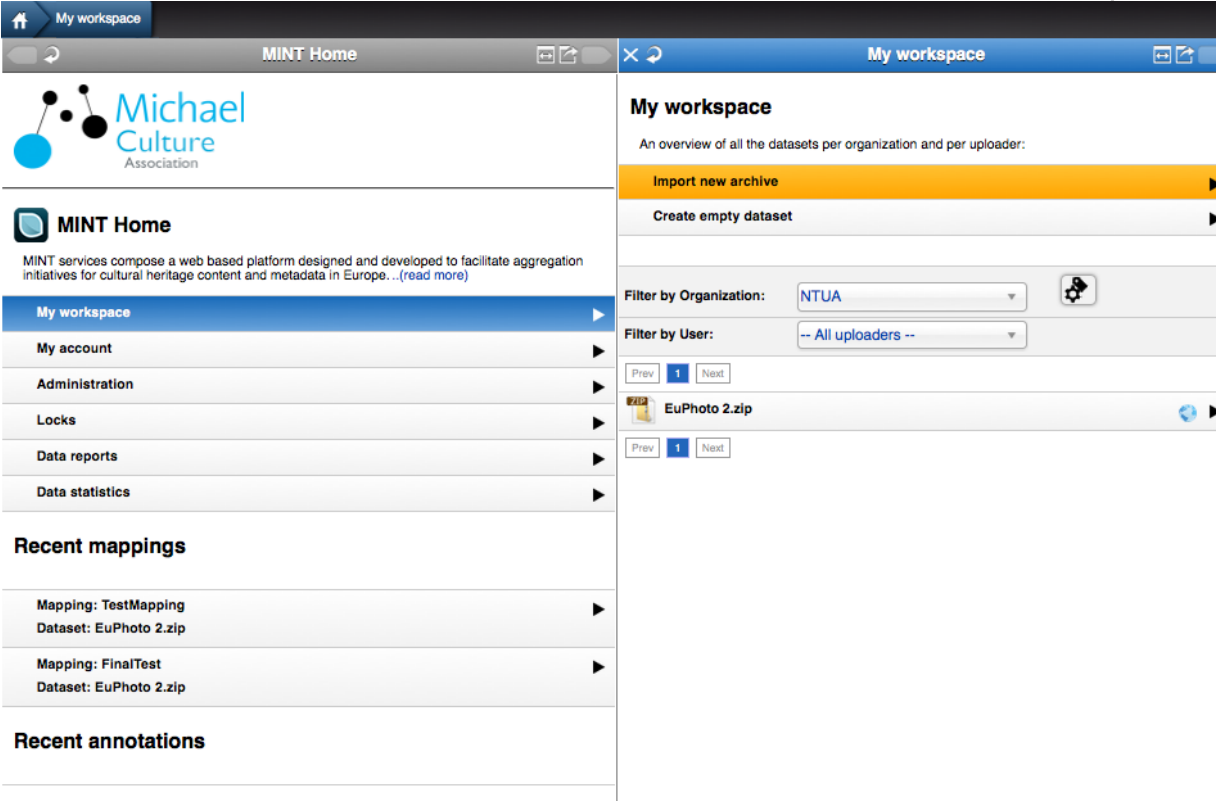
Europeana Data Exchange Agreement – Annex 1: CC0 1.0 Universal Public Domain Dedication

Data Exchange Agreement

- All metadata submitted to Europeana will be published as open data under the terms of the **Creative Commons Zero Public Domain Dedication (CC0)**.
- Each digital object (which includes the associated preview) that is available via Europeana needs to carry a rights statement that describes its copyright status. If an object is in the public domain, it must be labelled as being in the public domain.



The screenshot shows the ICOM International Committee for Documentation (CIDOC) website. The header includes the ICOM logo, the text 'ICOM INTERNATIONAL COMMITTEE FOR DOCUMENTATION', and a 'JOIN IN' button. A navigation menu on the left lists various sections: HOME, EVENTS, WORKING GROUPS (selected), OVERVIEW, Archaeological Sites, Co-reference, CRM Special Interest Group, Exhibition and Performance Documentation, Digital Preservation, Documentation Standards, Information Centres, Intangible Cultural Heritage, LIDO (selected), Museum Process Implementation, Semantic Research Environments, RESOURCES, ORGANISATION, and ARCHIVES. The main content area is titled 'What is LIDO' and features a large 'LIDO' logo with the tagline 'Lightweight Information Describing Objects'. Below the logo, a text box states: 'Find the LIDO specification [here](#). - Get introductory material [here](#).' The right sidebar contains a 'LIDO menu' with links to: Why LIDO, What is LIDO, LIDO overview, Background, Related standards, What's in LIDO, Mandatory elements, Examples, LIDO technical, Specification, Terminology, Tools, FAQ, General questions, Practical questions, LIDO community, Use of LIDO, Get in contact, and Resources. The footer of the website shows the years '1944' and '1988'.



The screenshot displays the MINT Home web interface. The left sidebar contains a navigation menu with items: 'My workspace' (selected), 'My account', 'Administration', 'Locks', 'Data reports', and 'Data statistics'. Below this is a 'Recent mappings' section showing two entries: 'Mapping: TestMapping' with dataset 'EuPhoto 2.zip' and 'Mapping: FinalTest' with dataset 'EuPhoto 2.zip'. At the bottom is a 'Recent annotations' section. The main content area, titled 'My workspace', provides an overview of datasets per organization and uploader. It includes buttons for 'Import new archive' and 'Create empty dataset'. There are filters for 'Organization' (set to 'NTUA') and 'User' (set to '-- All uploaders --'). A list of datasets is shown, with 'EuPhoto 2.zip' highlighted, and pagination controls for 'Prev', '1', and 'Next'.

- Developed by NTUA in the ATHENA project
- Used by many EU projects and Europeana

Regine Stein

*head of Information Technology at Deutsches
Dokumentationszentrum für Kunstgeschichte -
Bildarchiv Foto Marburg*

Mapping to LIDO

r.stein@fotomarburg.de

Nikos Simou

*Senior Researcher at National Technical
University of Athens*

Use of MINT

nsimou@image.ntua.gr

Marzia Piccininno

project manager at Michael Culture Association
Workflow, Europeana

marzia.piccininno@michael-culture.eu




The aggregation workflow

6 steps

1. Make your digitized cultural Heritage objects and metadata available online
2. Import your metadata in MINT
3. Map to LIDO using MINT
4. Make a successful transformation to LIDO
5. Preview your records
6. Publish to the MINT OAI server

Item



 Technical metadata

 DOWNLOAD

Technical metadata

Format: image/jpeg

Dimensions: 242 x 242 pixels

File size: 70.5 KB

Title

Textiltryck "Teheran", svart botten | Josef Frank, Svenskt Tenn AB (Production)

Description

BESKRIVNING: Tryckt mönster föreställande bladväxter i starka rosa, gula, gröna och blå toner mot svart botten **MOTIVERING:** Nationalmuseum har flera av Josef Franks textilmönster i samlingarna. Med detta förvärv kompletteras dessa med mönster som vi hittills saknat. **KOMMENTAR:** Namnet Teheran liksom de små lysande småblommorna i fonden tyder på att mönstret är en parafras över den persiska mattan. Det flikiga bladet i skiftande kulörer för tanken till växtfärgämnen som krapp, gulreseda och indigo. Teheran ritades i början av 1940-talet men trycktes inte förrän 1991 för första gången.

FIND OUT MORE

Europeana is displaying this item via the [Nationalmuseum, Sweden](#). Visit their site for more information.

CAN I USE IT?

Yes with attribution

 CC BY-SA

SHARE



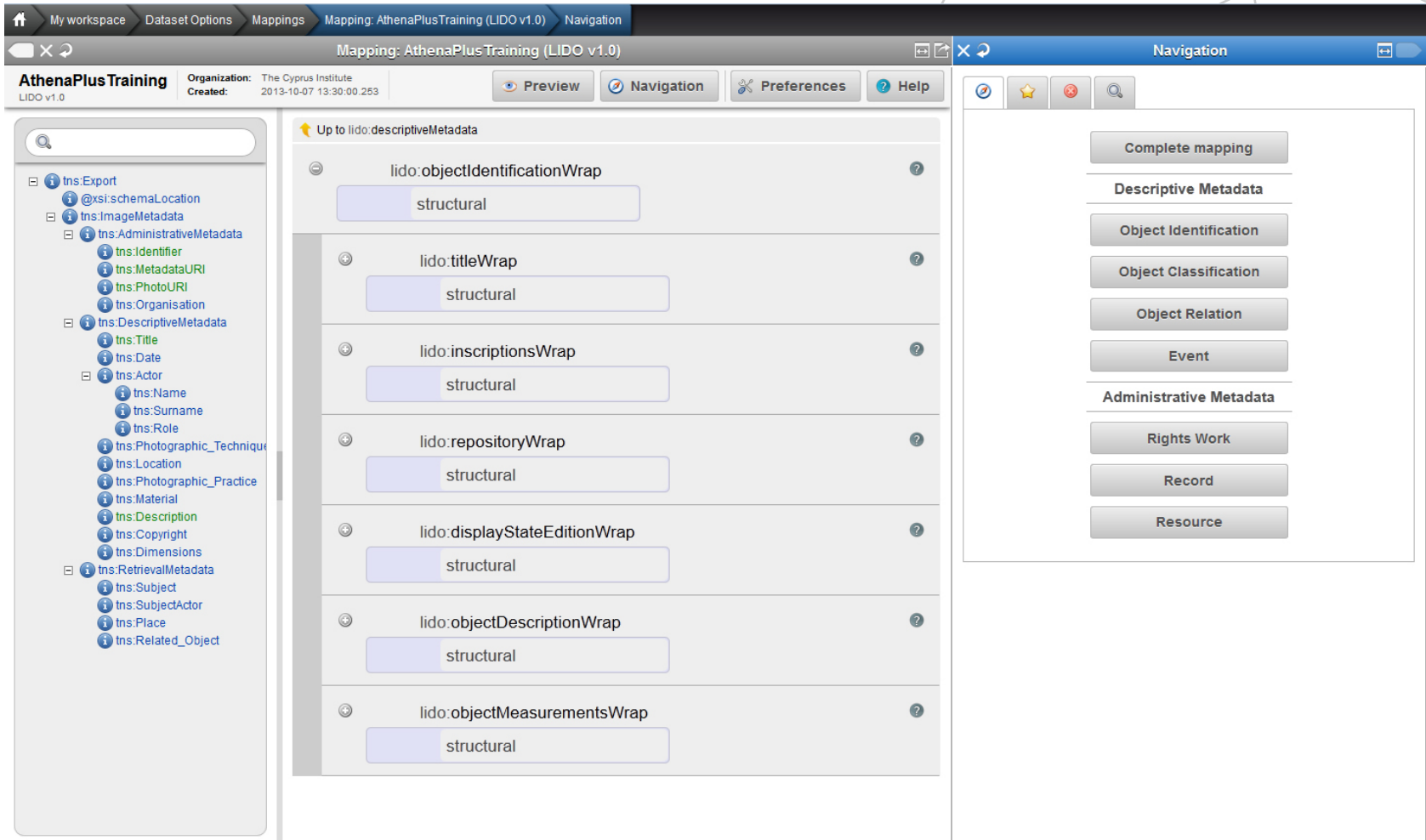
People

Creator: Josef Frank, Svenskt Tenn AB (Production)

Contributor: Svenskt Tenn AB (Donator)

3 – Map to LIDO using MINT

3. Map to LIDO using MINT



The screenshot displays the MINT (Mapping Interface for Networked Text) software interface, which is used for mapping digital objects to LIDO (Library of Digital Objects) standards. The interface is divided into several panels:

- Top Panel:** Shows the current mapping project: "Mapping: AthenaPlusTraining (LIDO v1.0)". It includes tabs for "My workspace", "Dataset Options", "Mappings", and "Navigation". Below the tabs, there are buttons for "Preview", "Navigation", "Preferences", and "Help".
- Left Panel:** A tree view showing the structure of the "AthenaPlusTraining" dataset. It includes a search bar and a list of metadata elements such as "tns:Export", "tns:ImageMetadata", "tns:AdministrativeMetadata", "tns:Identifier", "tns:MetadataURI", "tns:PhotoURI", "tns:Organisation", "tns:DescriptiveMetadata", "tns>Title", "tns>Date", "tns:Actor", "tns:Name", "tns:Surname", "tns:Role", "tns:Photographic_Technique", "tns:Location", "tns:Photographic_Practice", "tns:Material", "tns:Description", "tns:Copyright", "tns:Dimensions", "tns:RetrievalMetadata", "tns:Subject", "tns:SubjectActor", "tns:Place", and "tns:Related_Object".
- Center Panel:** A list of LIDO metadata elements that can be mapped to the dataset. The elements are:
 - lido:objectIdentificationWrap (structural)
 - lido:titleWrap (structural)
 - lido:inscriptionsWrap (structural)
 - lido:repositoryWrap (structural)
 - lido:displayStateEditionWrap (structural)
 - lido:objectDescriptionWrap (structural)
 - lido:objectMeasurementsWrap (structural)
- Right Panel:** A navigation pane with a search bar and a list of buttons for navigating through the mapping process:
 - Complete mapping
 - Descriptive Metadata
 - Object Identification
 - Object Classification
 - Object Relation
 - Event
 - Administrative Metadata
 - Rights Work
 - Record
 - Resource

4 – Make a successful transformation to LIDO

My workspace

Dataset Options

Data Upload Items

Data Upload Items

Preview Options

Select a mapping:

AthenaPlusTraining

Select item views for the first and second column:

Source Item

Mapped Item

EDM

Europeana

Remember selected views

Search labels

Item

The Parthenon

Parthenon South Peristyle

Caryatids

Parthenon

Parthenon East Pediment

Mapped Item

EDM

Europeana

XML failed LIDO v1.0 validation

Show/hide report

cvc-complex-type.2.4.b: The content of element 'lido:titleSet' is not complete. One of '{http://www.lido-schema.org':appellationValue}' is expected.

cvc-complex-type.2.4.a: Invalid content was found starting with element 'lido:recordType'. One of '{http://www.lido-schema.org':recordID}' is expected.

cvc-complex-type.2.4.b: The content of element 'lido:legalBodyName' is not complete. One of '{http://www.lido-schema.org':appellationValue}' is expected.

cvc-complex-type.2.4.b: The content of element 'lido:legalBodyName' is not complete. One of '{http://www.lido-schema.org':appellationValue}' is expected.

cvc-complex-type.2.4.b: The content of element 'lido:resourceRepresentation' is not complete. One of '{http://www.lido-schema.org':linkResource}' is expected.

cvc-complex-type.2.4.b: The content of element 'lido:resourceRepresentation' is not complete. One of '{http://www.lido-schema.org':linkResource}' is expected.

Prev

1

Next

Show: 15 100 1000

5 – Preview your records

My workspace

Dataset Options

Data Upload Items

Data Upload Items

Preview Options

Select a mapping:

TestMapping

Select item views for the first and second column:

Item x

Import Item x

Mapping XSL x

Mapped Item x

EDM x

Europeana x

Remember selected views

Search everything

Item

The Parthenon

Parthenon South Peristyle

Caryatids

Parthenon

Parthenon East Pediment

Import Item


Item

Mapping XSL

Mapped Item

EDM

Europeana



© Rights Reserved - Free access

View item at NTUA

Share

Cite on Wikipedia

Translate details

Caryatids

Description:Picture of the the Caryatids.At the south porch of the Erechtheion

Subject:Ancient Greece The Parthenon Caryatids

Creator: Petros Katsaros Petros Katsaros

Contributor: <http://vocab.getty.edu/aat/300181199>

Place: Athens

Date: 2013-09-14/

Type: AAT term <http://udcdata.info/065307>
<http://vocab.getty.edu/aat/300179869>

Format: <http://vocab.getty.edu/aat/300386812>
<http://vocab.getty.edu/aat/300127358> 300x400

Identifier:108_0868

Rights: All rights reserved NTUA

Provenance: NTUA, Current Location

Data provider: NTUA

Provider: Museu

Search also for:

Title

Caryatids

Who

Petros Katsaros

Petros Katsaros

What

AAT term

Ancient Greece

The Parthenon

Caryatids

Provider

NTUA

Museu

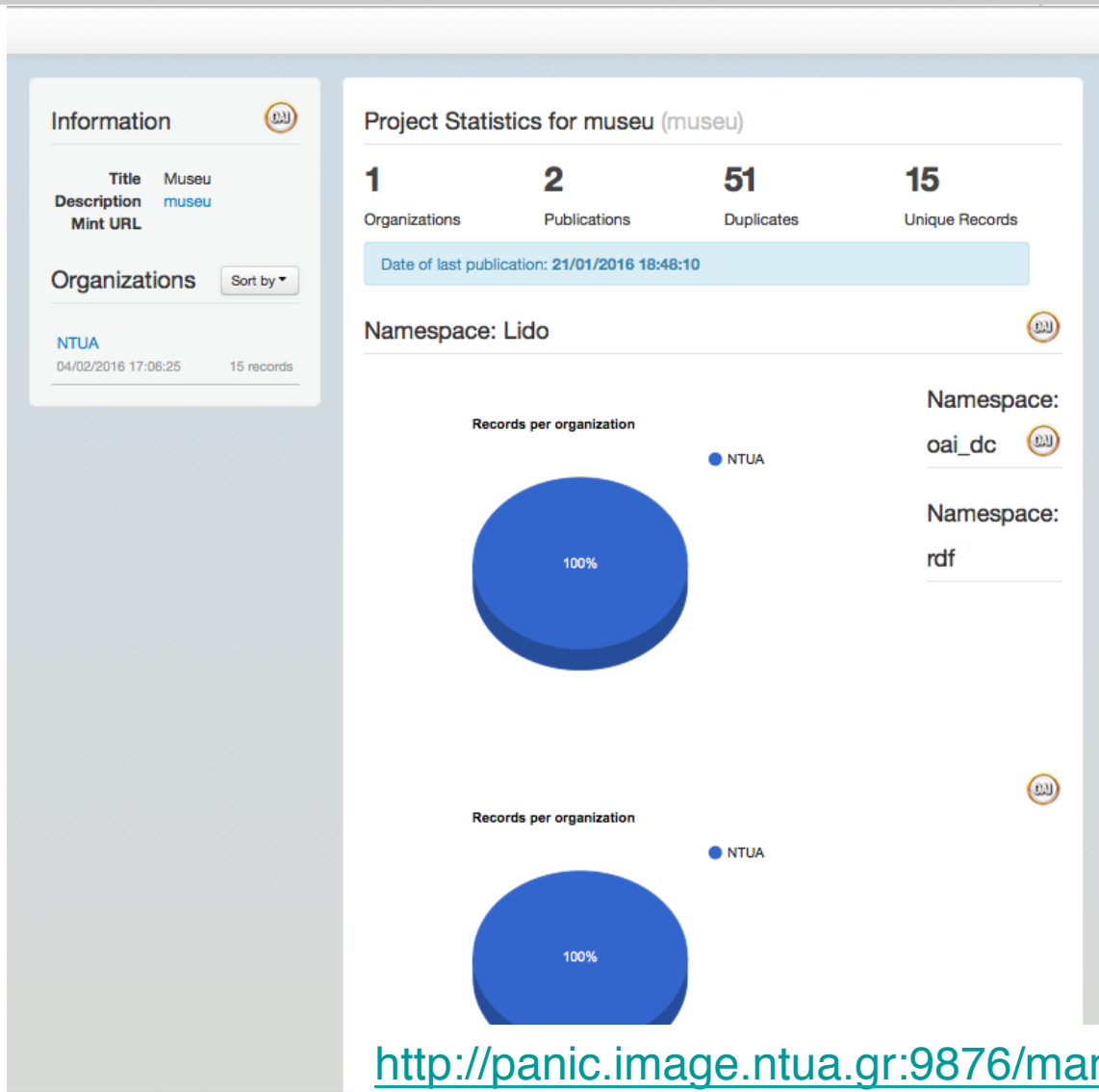
Prev

1

Next

Show: 15 100 1000

6 - Publish EDMs to the MINT OAI server



The screenshot displays the MINT OAI server interface for the 'museu' project. The left sidebar contains an 'Information' section with a 'Title' field containing 'Museu', a 'Description' field containing 'museu', and a 'Mint URL' field. Below this is an 'Organizations' section showing 'NTUA' with a date of '04/02/2016 17:06:25' and '15 records'. The main content area is titled 'Project Statistics for museu (museu)' and features four statistics: 1 Organization, 2 Publications, 51 Duplicates, and 15 Unique Records. A light blue box indicates the 'Date of last publication: 21/01/2016 18:48:10'. Below this, the 'Namespace: Lido' section shows a 100% pie chart for 'NTUA'. The 'Namespace: oai_dc' and 'Namespace: rdf' sections are also visible, each with a 100% pie chart for 'NTUA'. The URL at the bottom is <http://panic.image.ntua.gr:9876/manager/projects/museu>.

Information

Title: Museu
Description: museu
Mint URL

Organizations

Sort by ▼

NTUA
04/02/2016 17:06:25 15 records

Project Statistics for museu (museu)

1 Organizations 2 Publications 51 Duplicates 15 Unique Records

Date of last publication: 21/01/2016 18:48:10

Namespace: Lido

Records per organization

100% NTUA

Namespace: oai_dc

Namespace: rdf

Records per organization

100% NTUA

<http://panic.image.ntua.gr:9876/manager/projects/museu>

- Alert Marzia!
- Publishing in the MINT OAI server is not publishing in Europeana!
- Europeana has to harvest the new datasets.
- The publication in Europeana is done in a few days.

- Training materials about aggregation process, mapping to LIDO and use of the MINT tool ('Content aggregation: tools and guidelines')

<http://www.athenaplus.eu/index.php?en/158/content-aggregation-tools-guidelines>

- Guidelines about:
 - use of MINT
 - LIDO metadata schema
 - Europeana DEA
 - Europeana Rights Statements
 - Europeana Portal Image Policy
 - Europeana publication framework



The screenshot shows the ATHENA PLUS website. The header includes navigation links: Home, Sitemap, Search, and English. The main banner features the ATHENA PLUS logo and the tagline 'Access to cultural heritage networks for Europeana'. A sidebar on the left lists various resources: Partners and contributors, National Contact Points, Work Packages, Deliverables and documents, Dissemination, Content aggregation: tools & guidelines (highlighted), Digital storytelling: recommendations, How to join us, Europeana, Related projects, Events, News, and Reserved Area. The main content area is titled 'Content aggregation: tools & guidelines' and contains sections for MINT, LIDO, and the Europeana Data Exchange Agreement (DEA). The MINT section explains the MINT/AthenaPlus instance and provides a link to the MINT ingestion platform. The LIDO section lists several documents, including an introduction to LIDO, a mapping worksheet, and core elements of metadata. The DEA section explains the need for descriptive metadata and provides a link to the Data Exchange Agreement before publishing records. A list of steps for downloading and signing the agreement is provided at the bottom.

ATHENA PLUS
Access to cultural heritage networks for Europeana

Home > CONTENT AGGREGATION: TOOLS & GUIDELINES

Content aggregation: tools & guidelines

MINT

The instance MINT/AthenaPlus is ready for delivering content to Europeana. You may reach it at <http://mint-projects.image.ntua.gr/athenaplus>

For more info about MINT see deliverable 3.1 "The MINT ingestion platform" <http://www.athenaplus.eu/getFile.php?id=271>

MINT mapping tool: user tips (PDF, 2283 kb)

LIDO

- 7 October 2013. Regine Stein, *Introduction to Lido* (PDF, 3361 kb)
- AthenaPlus - LIDO mapping worksheet, v1-2013-10-04 (PDF, 176 kb)
- Core Elements for the Delivery of Metadata to Europeana v1-2013-10-04: Athena Plus mandatory and recommended elements (PDF, 97 kb)
- For more information on LIDO visit: <http://www.lido-schema.org>

Europeana Data Exchange Agreement (DEA)

"When making their collections available via Europeana, contributing organisations also need to provide descriptive metadata relating to the objects in those collections. They are also asked to provide previews to illustrate search results. The terms under which Europeana and its users can make use of previews and descriptive metadata are established by the Europeana Data Exchange Agreement." [Europeana Pro website]

Don't forget! You have to subscribe the Data Exchange Agreement before publishing your records:

- Download the agreement: <http://pro.europeana.eu/documents/858566/97b55ba-ec91-45ec-97b0-c13357d73335>
- Print two copies
- Sign them
- Send them by mail to:

Self-portrait with beret,
Rembrandt van Rijn 1630
Rijksmuseum, Amsterdam,
public domain



europaena

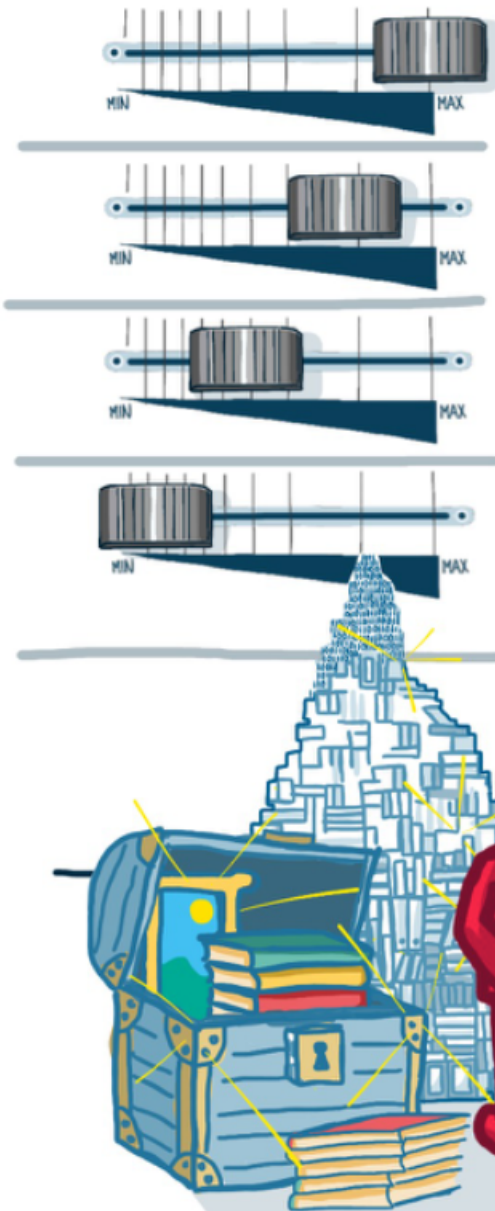
CONCEPT

WHAT YOU GIVE IS WHAT YOU GET

Europeana Publishing Framework

<http://pro.europeana.eu/publication/publishing-framework>

WHAT YOU GIVE



WHAT YOU GET



TIER	DIRECT LINK TO OBJECT PROVIDED	RIGHTS STATEMENTS	EUROPEANA API DISPLAYS	BENEFITS (CUMULATIVE)
1 Europeana as a search engine . <i>'I want people to find my collections'</i>	No	Any from the Europeana licensing Framework	Metadata, no direct link to object	Findability - indexed by search engines, linked data technology Web traffic - click-throughs to your site Analytics - from our statistics dashboard
2 Europeana as a showcase . <i>'I want people to find and view my collections on Europeana'</i>	Yes. Minimum of 800+ pixels wide	Any from the Europeana licensing Framework	Metadata plus direct link to object	Use in thematic channels - providing context and relation to other collections on Europeana More marketing through Europeana
3 Europeana as a distribution platform for non-commercial re-use. <i>'I want people to find, view and use my collections - but not for commercial gain'</i>	Yes. Minimum of 1,200+ pixels wide recommended	Any from the Europeana licensing framework that allow for some re-use	Metadata plus direct link to object and can filter to show only re-usable objects	Impressions - collections viewed on platforms outside of Europeana Use in Europeana's existing partnerships and projects in e.g. education and research Use in apps and services by third parties
4 Europeana as a free re-use platform . <i>'I want people to find, view and use my content - however they want'</i>	Yes. Minimum of 1,200+ pixels wide recommended	Any from the Europeana licensing framework that allow free and open access	Metadata plus direct link to object and can filter to show only re-usable	Use on open platforms like Wikimedia Use by creative industry and tourism sectors Use in commercial apps and services

Europeana rights statements

- Content providers are invited to inform the Europeana end users about the terms under which the digital object and the corresponding preview can be used
- The URL is submitted in the `<edm:rights>` field.
- **13 types** of rights statements:
<http://pro.europeana.eu/structure/rights-statement-guidelines>

- 1 - The Public Domain Mark (PDM)
- 2 - Out of copyright - non commercial re-use (OOC-NC)
- 3 - The Creative Commons CC0 1.0 Universal Public Domain Dedication (CC0)
- 4 - Creative Commons - Attribution (BY)
- 5 - Creative Commons - Attribution, Share Alike (BY-SA)
- 6 - Creative Commons - Attribution, No Derivatives (BY-ND)
- 7 - Creative Commons - Attribution, Non-Commercial (BY-NC)
- 8 - Creative Commons - Attribution, Non-Commercial, Share Alike (BY-NC-SA)
- 9 - Creative Commons - Attribution, Non-Commercial, No Derivatives (BY-NC-ND)
- 10 – Rights reserved – Free access
- 11 - Rights reserved – Paid access
- 12 – Orphan works
- 13 – Unknown

Thank you!

Marzia Piccininno – MICHAEL Culture Association

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