



# EuropeanaPhotography

ICT-PSP Project no. 297158

DigHum 2013

Leuven, April 30, 2013

[www.europeana-photography.eu](http://www.europeana-photography.eu)

EuropeanaPhotography project

1 February 2012 – 31 January 2015

19 partners

13 EU countries

Over 430,000 vintage photographs: selection,  
digitization, enrichment, ingestion into  
Europeana



*Courtesy of Arbejdermuseet*

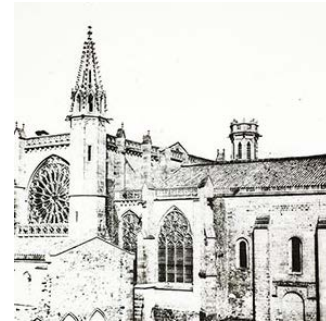


*Courtesy of Parisienne de Photo*

### Content Seminar: Leuven, 12-13 April 2012

First objective was to share knowledge about:

- content selection
- methodology for identification of masterpieces
- workflow best practices
- care, handling and long term preservation of original items



*Courtesy of KU Leuven*

*Courtesy of Parisienne de Photo*



# Themes and collections

## Selection criteria

- Chronology
- Historical/artistic/social value
- Territorial criteria

## Definition of masterpiece:

A work done with extraordinary skill, especially a work of fine art, craft or intellect that is an exceptionally great achievement. To some, this means the best piece of work by a particular artist or craftsman.



*Courtesy of Polfoto*

Technical partners (KMKG and NTUA)

Development of tools for enrichment and ingestion:

The EuropeanaPhotography multilingual vocabulary

The MINT mapping tool



*Courtesy of Nalis*

## The EuropeanaPhotography multilingual vocabulary

- A survey was conducted with the content providers to learn about the use of controlled vocabularies in each institution, and the underlying technical possibilities of each one's database program
- On the basis of the survey, the vocabulary was finalized and translated in 12 languages.

*Courtesy of Lithuanian Museums*






## The MINT mapping tool

Basing on the MINT technology, a user-friendly platform was developed for transforming the content providers' metadata to the EuropeanaPhotography intermediate schema (based on LIDO), and to enrich them through the mapping tool with the EuropeanaPhotography Vocabulary.



Courtesy of MHF


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photography**

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Download the 4 PAGES LEAFLET (PDF, 3304 kb) AND THE BROCHURE (PDF, 4527 kb)



Curiosity, anecdotes, breaking news, discovery stories

2013-02-01 **Europeana Launches Rights Labelling Campaign**  
Europeana is starting a rights labelling campaign. Over the next

**Search**

**Top events**

3-4 dicembre 2012  
Roma: Immagini e memoria: gli Archivi fotografici di istituzioni culturali della città di Roma

18-19 October 2012  
Torun: Polish Collections in Europeana

29-30 November 2012  
Krakow: Heritage in the web - different approaches to digitalization

10-12 December 2012  
Firenze: Cultural heritage on line "Trusted Digital Repositories & Trusted Professionals"

Europeana Search Widget  
Search in Europeana collections

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**Topics**

- 3D imaging & simulation
- architecture
- art and new media technologies
- audio video & music
- computer animation
- digital archive
- digital preservation
- infrastructure

**Reserved Area**

**Project Presentation**

**Europeana Photography**  
Europeana Photography is a digitisation project playing a key role in ensuring that digital content related to early photography is accessible in Europeana. At present, Europeana has an impressive number of images mostly representing cultural objects while photographic images, the early... Continue reading...

**News**

Latest news from the project:

- Europeana Launches Rights Labelling Campaign
- Europeana Photography is on Facebook! Follow us!
- Polish Collections in Europeana
- Roma: Immagini e memoria, gli Archivi fotografici di istituzioni culturali della città di Roma

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Project website:

**EDITORIALS**

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**DCH RP**  
DIGITAL CULTURAL HERITAGE REPOSITORY FOR PRESERVATION

**HARMOSEARCH**  
the future of information services

facebook

EuropeanaPhotography

Organization no profile picture

Information

33 likes

Post

George Eastman House International Promote of Photography & Film

Vintage Photographs

DigitalHeritageEurope

Open Polish Collections in Europeana

Europeana

## The indicators for year 1 were successfully achieved:

*Courtesy of United Archives*



| Indicator | Objective/expected result   | Indicator name                | Expected |         |   | Achieved |
|-----------|---|-------------------------------|----------|---------|---|----------|
|           |   |                               | Year 1   | Year 2  | Year 3  |          |
| 1         | No of items digitised   | Digitisation                  | 50.000   | 250.000 | 430.000   | 151.130  |
| 2         | No of items enriched  | Enrichment                    |          | 200.000 | 430.000   |          |
| 3         | No of multilingual items  | Multilingual support          |          | 200.000 | 430.000   |          |
| 4         | No of Europeana compliant records   | Transformation                |          | 150.000 | 430.000   |          |
| 5         | No of items on Europeana  | Ingestion process             | 1.000    | 100.000 | 430.000   | 12.319   |
| 6         | No of individual hits on Europeana Photography website                                  | Dissemination /Sustainability | >1.000   | >5.000  | >10.000   |          |
| 7         | No of presentations and papers in European and international conferences                | Dissemination /Sustainability | Up to 5  | Up to 8 | Up to 10  | 7        |
| 8         | No of visitors to the Europeana Photography exhibition in Florence (15 days of opening) | Dissemination /Sustainability |          |         | 3.000 expected visitors during the whole period |          |



*Courtesy TopFoto*



- selection, assessment and prioritisation
- project planning, management and tracking
- preparation of originals for digitisation
- descriptive and technical metadata
- capture and editing
- submission of digital resources
- data collection and management
- assessment and evaluation



**Overview and Sequencing of Activities for Digitization Projects – see the following outline for detailed listing and description of activities**

| Sequence of Project Phases – |  | 1. Project Planning                                 | 2. Pre-Digitization   | 3. Digitization  | 4. Post-Digitization  |  |
|------------------------------|--|---|---|--|---|--|
| Activities -                 | Management<br>- generally to be done prior to other activities in each phase | Selection, Assessment, and Prioritization           | <ul style="list-style-type: none"><li>- Consider nominations, proposals, and priorities for digitization</li><li>- Collect information and evaluate all needs – curatorial and preservation</li><li>- Review and approve projects/work based on defined criteria</li><li>- Review and resolve restrictions and permissions issues, copyright, etc.</li><li>- Etc.</li></ul> |  | <ul style="list-style-type: none"><li>- Process improvement – see Assessment and Evaluation (Assess+Eval)</li></ul>   |  |
|                              |  | Project Management and Tracking                     | <ul style="list-style-type: none"><li>- Communication and coordination</li><li>- Define project parameters</li><li>- Establish timeline</li><li>- Track, manage, and document activities</li><li>- Etc.</li></ul>   | <ul style="list-style-type: none"><li>- All activities continue</li></ul>  | <ul style="list-style-type: none"><li>- All activities continue</li><li>- Process improvement – see Assess+Eval</li></ul>   |  |
|                              |  | Copy Status and Records Management                  | <ul style="list-style-type: none"><li>- Review reasons for digitization and evaluate status of original records</li><li>- Preliminary determination of copy and record status for digital objects and for metadata to be created</li><li>- Etc.</li></ul>   | <ul style="list-style-type: none"><li>- Finalize recommendations for copy status of digital objects and status of metadata</li><li>- Etc.</li></ul>  | <ul style="list-style-type: none"><li>- Manage and document process appropriately to ensure authenticity of digital copies</li><li>- Etc.</li></ul>   | <ul style="list-style-type: none"><li>- Finalize status of digital copies and related metadata</li><li>- Update status of original records if needed</li><li>- Process improvement – see Assess+Eval</li><li>- Etc.</li></ul>  |
|                              | Operational  | Preparation   | <ul style="list-style-type: none"><li>- Identify and evaluate needs for records preparation</li></ul>   | <ul style="list-style-type: none"><li>- Archival/Curatorial prep</li><li>- Preservation prep</li></ul>   | <ul style="list-style-type: none"><li>- Perform any additional preparation if needed</li></ul>  | <ul style="list-style-type: none"><li>- Process improvement – see Assess+Eval</li></ul>  |
|                              |  | Metadata – Collection, Creation, Management and Use | <ul style="list-style-type: none"><li>- Identify approach for all types of metadata</li><li>- Define metadata scheme/template</li><li>- Etc.</li></ul>  | <ul style="list-style-type: none"><li>- Identify available descriptive metadata</li><li>- Collect/create appropriate descriptive metadata</li><li>- QA/QC on metadata</li><li>- Etc.</li></ul> | <ul style="list-style-type: none"><li>- Collect/create appropriate metadata – descriptive, technical, administrative, structural, etc.</li><li>- QA/QC on metadata</li><li>- Manage metadata</li><li>- Etc.</li></ul> | <ul style="list-style-type: none"><li>- Collect/create appropriate metadata – desc., tech., admin., struct., etc.</li><li>- Manage metadata</li><li>- Link/aggregate digital objects and metadata</li><li>- QA/QC on metadata</li><li>- Process improvement – see Assess+Eval</li><li>- Etc.</li></ul> |
|                              |  | Digitization – Creation of Digital Objects          | <ul style="list-style-type: none"><li>- Identify technical approaches for digitization</li><li>- Define technical approach/template</li><li>- Etc.</li></ul>  | <ul style="list-style-type: none"><li>- Finalize technical approach for digitization</li><li>- Establish QA/QC procedures for project</li><li>- Etc.</li></ul>                                 | <ul style="list-style-type: none"><li>- Digital conversion</li><li>- QA/QC on digital objects and conversion</li><li>- Document conversion</li><li>- Etc.</li></ul>   | <ul style="list-style-type: none"><li>- Process improvement – see Assess+Eval</li></ul>  |
|                              |  | Data Collection and Management                      | <ul style="list-style-type: none"><li>- Identification and analysis of existing data</li></ul>  | <ul style="list-style-type: none"><li>- Access needed data in other IT systems</li><li>- Etc.</li></ul>  | <ul style="list-style-type: none"><li>- Collect and manage new data in appropriate central and local systems</li><li>- Etc.</li></ul>   | <ul style="list-style-type: none"><li>- Update data in other IT systems</li><li>- Submit digital objects/metadata to managed environment (repository) and other IT/access systems</li><li>- Process improvement – see Assess+Eval</li><li>- Etc.</li></ul>   |
|                              |  | Program Assessment                                  | Assessment and Evaluation   | <ul style="list-style-type: none"><li>- Establish criteria and begin collecting data</li></ul>   | <ul style="list-style-type: none"><li>- Data collection</li></ul>   | <ul style="list-style-type: none"><li>- Data collection</li></ul>  |

## Archival preparation of originals

- Analysis of originals (formats, organization, condition, copies, size, etc.)
- Physical and intellectual organization



## Preservation preparation of originals

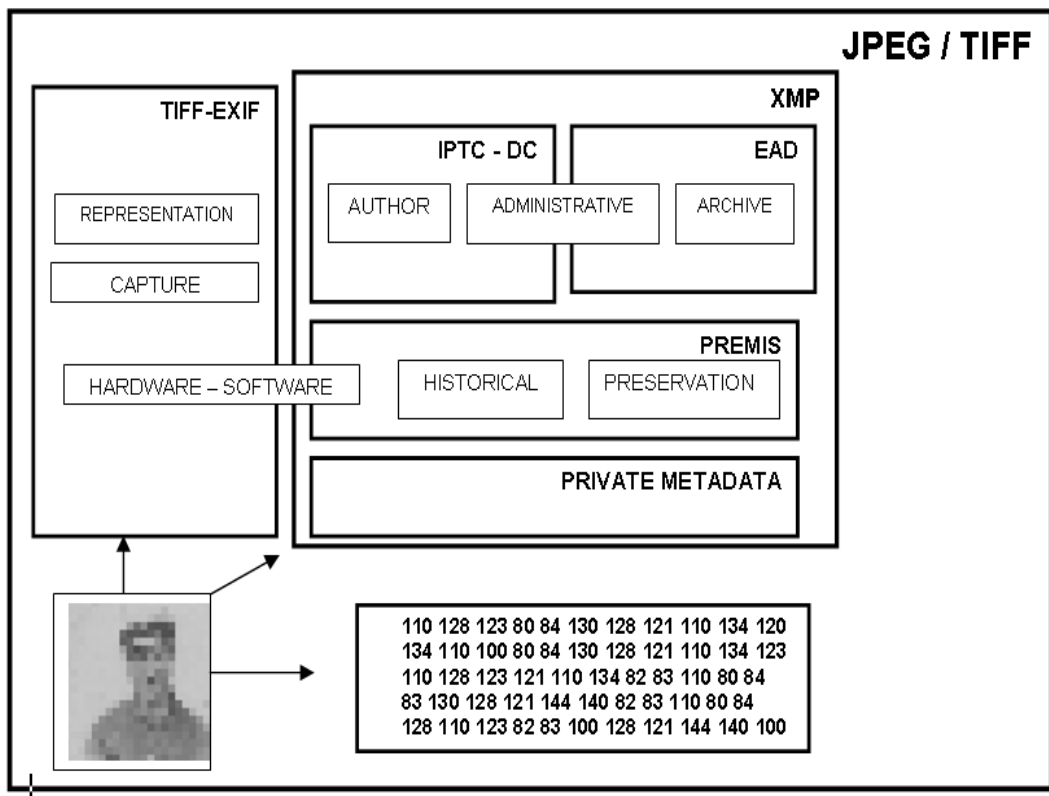
- Evaluation of physical condition and readiness for digitising
- Cleaning materials
- Restoration of some originals



- The digitisation process is carried out in line with the existing standards to deliver high- quality files.
- The standards and guidelines are a good guarantee for image quality.
- After digitizing, images must be tested for compliance with the documented specification of each partner. Image quality assurance must consider the following issues: correct file naming, size of images, acceptable borders and margins on images, images completeness, correct graphic files, image characteristics (resolution, bit-depth, colour space, etc.) .



1. Capture done according to specifications by WP2.
2. Device conformance testing and calibration, based on established benchmarks and specifications.
3. Digital conversion.
4. Image processing: correction/editing/processing to digital files.
5. File naming.
6. File formats and compression for archiving and for preservation



-Most part of the cataloguing work has been focused in the adaption and normalization of existing local catalogues.

-Some testing with software is needed to make sure that publication of metadata works properly.

-Digitization metadata are created automatically during the process (ANSI-NISO Z39-87).



## TRAINING EVENT

The workshop [Digitization systems and procedures in photographic image archives](#) by CITM and organized by CRDI.

Girona, 22-23 May 2012. 14 hours. 22-23 May

Aimed to provide an overview of the available systems for original photographic materials digitization as well as the procedures in order to obtain the best results in terms of image quality and fidelity to the original.

The workshop was attended by 22 people representing 13 partners that are part of the Europeana Photography project, from **Italy, England, Denmark, Spain, Holland, Belgium, Poland, Slovakia, and Lithuania.**

## SEMINAR

Barcelona Meeting. 17-18th September 2012.

Seminar about device characterisation and recommended procedures, by CITM (Polytechnics University of Catalonia)



- Objectives
- Tasks
  - Intermediate Format Selection
  - XML Export
  - Source to intermediate
  - Intermediate to EDM & Ingestion
- Next Steps



*Courtesy NALIS*

# Objectives

- Selection of an intermediate metadata standard able to accommodate metadata of photographic content
- Assistance to the content providers in transforming and publishing their metadata according to the Europeana requirements by providing a user friendly tool (MINT)

# Tasks

- 5.1 Intermediate  
Format Selection
- 5.2 XML Export
- 5.3 Source to  
Intermediate
- 5.4 Intermediate to  
EDM & Ingestion



# Intermediate Schema Selection

- Metadata Standards Examined
  - VRA CORE
  - CIDOC
  - DUBLIN CORE
  - SPECTRUM
  - MARC21
  - IPTC
  - LIDO
  - CARARE
  - METS
  - EAD

# Intermediate Schema Selection

- Sufficient representation of the information agreed among the providers in the content seminar

|                  |                       |
|------------------|-----------------------|
| Identifier       | Technique             |
| Link to Metadata | Location              |
| Link to DCHO     | Photographic practice |
| Provider         | Material              |
| Europeana Type   | Description           |
| Europeana Rights | Copyright             |
| Title            | Subject Concept       |
| Date             | Subject Actor         |
| Author           | Subject Place         |
| Dimensions       | Related works         |

# Intermediate Schema Selection

- Why LIDO?
  - Stable metadata standard developed from the consortium of Athena
  - Rich enough to represent all the required elements as those were set by the Europeana Photography providers in the content seminar
  - Supports vocabularies (WP4 for the enrichment of metadata)
  - Has been successfully used as the intermediate schema in other projects like Linked Heritage and Judaica
  - Well documented and it uses an open license.

# XML Export

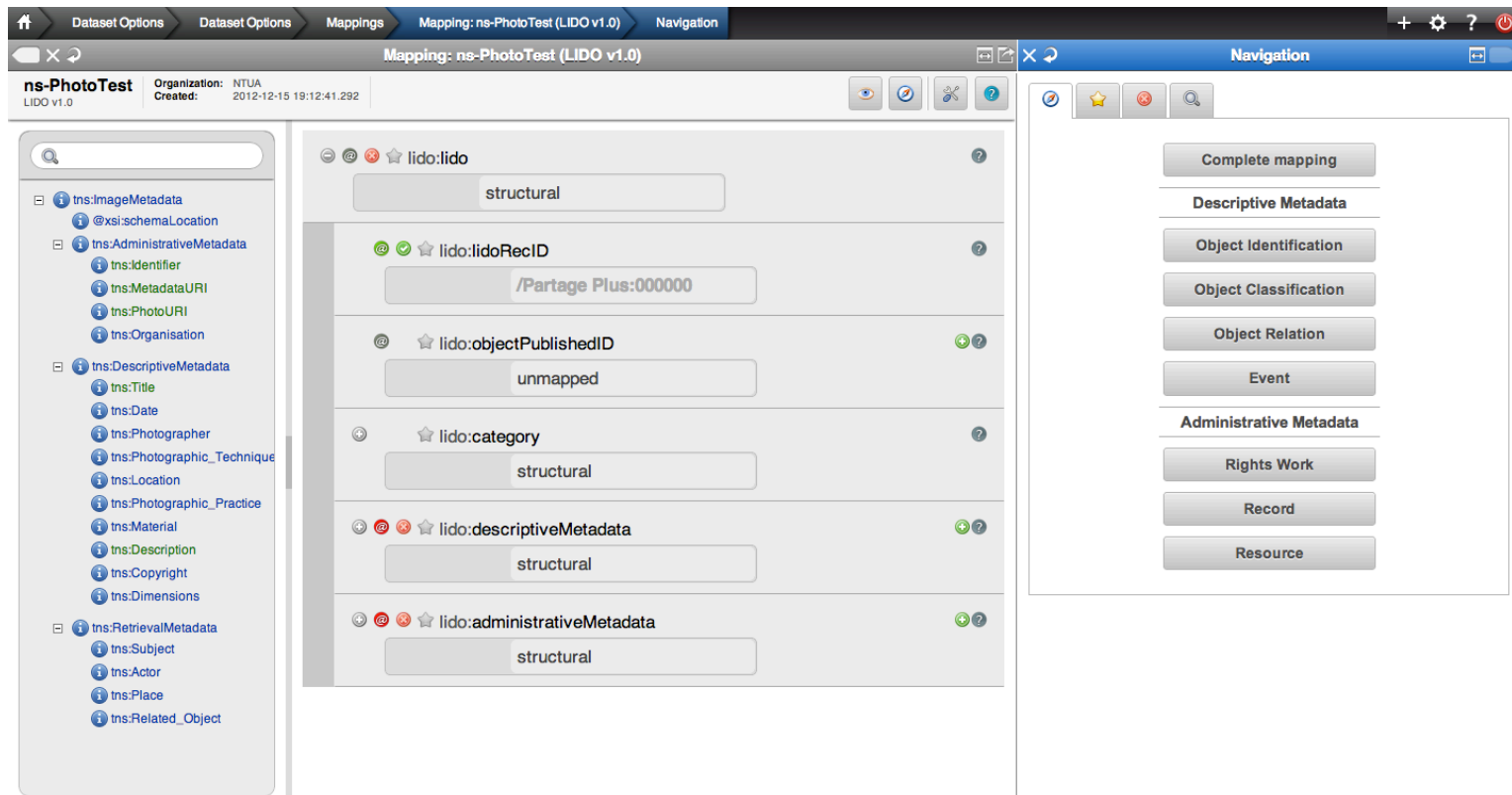
- A survey was performed in cooperation with the WP4 leader that examined content providers'
  - Metadata details
    - Standards used, size, languages, etc
  - Controlled Vocabularies
    - Usage of terminologies for controlling data, etc
  - Delivery of metadata and content
    - Records available online, delivery formats and protocols, etc
- The providers can export their metadata in XML or in CSV, formats that are supported by the MINT Mapping Tool

# Source to Intermediate

- MINT mapping tool is available at <http://mint.projects.image.ntua.gr/photography>
- Main functionalities include
  - Organization and user level access rights and role assignment.
  - Collection and record management (XML serialisation).
  - OAI-PMH based harvesting.
  - Visual mapping editor for the XSLT language.
  - Transformation and previewing (XML and HTML).

# Source to Intermediate

- Mapping to LIDO

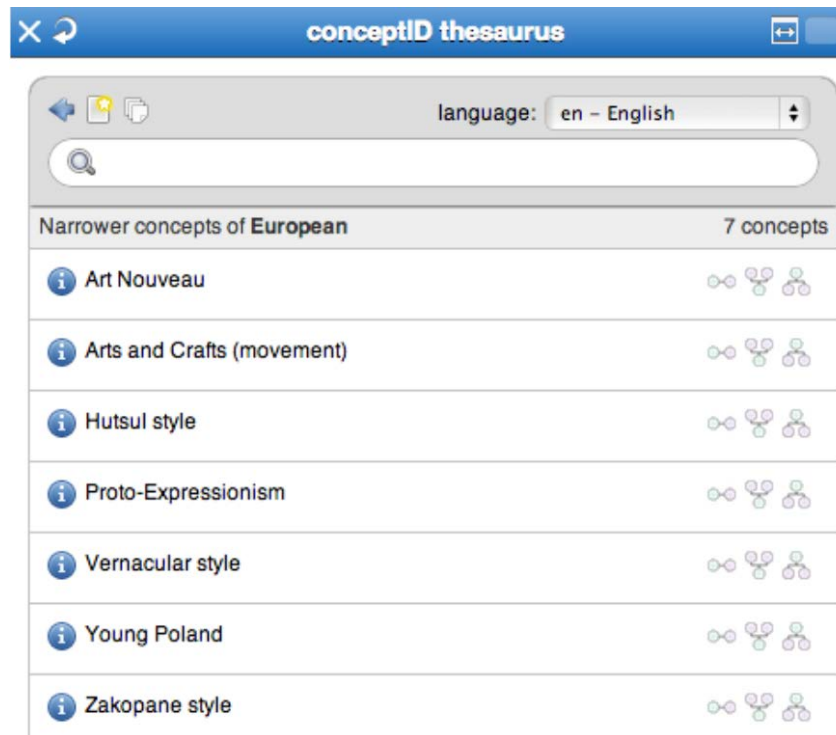


The screenshot displays the 'Mapping: ns-PhotoTest (LIDO v1.0)' interface. The top navigation bar includes 'Dataset Options', 'Dataset Options', 'Mappings', 'Mapping: ns-PhotoTest (LIDO v1.0)', and 'Navigation'. Below the navigation bar, the main content area is divided into three panels:















- Left Panel (Tree View):** A hierarchical tree view of metadata elements. The root is 'ns-PhotoTest LIDO v1.0'. It branches into 'tins:ImageMetadata', 'tins:AdministrativeMetadata', 'tins:DescriptiveMetadata', and 'tins:RetrievalMetadata'. Each branch contains sub-elements like 'tins:Identifier', 'tins:Title', 'tins:Subject', etc.
- Center Panel (Mapping List):** A list of mappings for 'lido:lido'. Each entry shows a status icon (green checkmark, red X, or grey circle), a star icon, and the mapping name. The mappings are:
  - lido:lidoRecID**: Status is green checkmark, mapping is '/Partage Plus:000000'.
  - lido:objectPublishedID**: Status is grey circle, mapping is 'unmapped'.
  - lido:category**: Status is grey circle, mapping is 'structural'.
  - lido:descriptiveMetadata**: Status is green checkmark, mapping is 'structural'.
  - lido:administrativeMetadata**: Status is green checkmark, mapping is 'structural'.
- Right Panel (Navigation):** A sidebar with buttons for 'Complete mapping', 'Descriptive Metadata', 'Object Identification', 'Object Classification', 'Object Relation', 'Event', 'Administrative Metadata', 'Rights Work', 'Record', and 'Resource'.

# Source to Intermediate

- Mapping (enrichment) using SKOS vocabularies



The screenshot shows the 'conceptID thesaurus' interface. At the top, there is a blue header bar with a close button, a refresh icon, the title 'conceptID thesaurus', and a search icon. Below the header, there is a search bar with a magnifying glass icon and a language dropdown menu set to 'en - English'. The main content area displays a table titled 'Narrower concepts of European' with 7 concepts. Each concept is listed with an information icon, the concept name, and a small diagram representing the concept's structure.

| Narrower concepts of European   |                            | 7 concepts  |
|---|----------------------------|---|
|    | Art Nouveau                |    |
|    | Arts and Crafts (movement) |    |
|    | Hutsul style               |    |
|    | Proto-Expressionism        |   |
|  | Vernacular style           |  |
|  | Young Poland               |  |
|  | Zakopane style             |  |

# Intermediate to EDM & Ingestion

- OAI-PMH protocol – that is used for the delivery of content to Europeana - is already supported by MINT
- Mapping of LIDO to Europeana Data Model (currently ESE is supported)
- 12,319 items ready for publication



**IMAGNO** Engelberte Schuljugend läuft neben dem Wagen des Reichspräsidenten Paul von Hindenburg ab. Photographie, 1930  
Künstler: Anonym; © BGR/Grafikaufbau  
brandstätter images

**IMAGNO**  
brandstätter images

*Courtesy Fondazione Alinari*