

**ECLAP Kick-off** 

An Aggregator Project for EUROPEANA

Paolo Nesi, nesi@dsi.unifi.it

## **Europeana: The Vision**

'A digital library that is a single, direct and multilingual access point to the European cultural heritage.'

European Parliament, 27 September 2007

'A unique resource for Europe's distributed cultural heritage... ensuring a common access to Europe's libraries, archives and museums.'

Horst Forster, Director, Digital Content & Cognitive Systems Information Society Directorate, European Commission



# The Europeana network

- 100+ partners from museums, libraries, archives, audiovisual collections, university research programmes
- Promotes technology transfer, standards and practices across the heritage domains and between Member States
- Technical experts lead work groups developing use cases and components
- Engaging 1,000+ content providers: individual organisations and aggregators
- Representing all domains, all Member States
- Translating interface into 26 languages



# **Europeana content (July 2010)**

- Current content: >9 million items
- Mages photos paintings drawings postcards postcre
  - c. Over 9 million items now on #europeana

8:26 AM Jun 10th via web

Te:

3,7



EuropeanaEU

• Vic Europeana

inf

Sounds: cylinders, 78rpm discs, radio, field recordings,
 c. 60,000 objects



This is Europeana - a place for inspiration and ideas. Search through the cultural collections of Europe, connect to other user pathways and share your discoveries. Find out more

champs elysees

Search











### Share your ideas:

Europeana wins Erasmus award



#### People are currently thinking about:

Mozart	$\rightarrow$
Scotland	$\rightarrow$
Sandro Botticelli	$\rightarrow$

#### Timeline navigator:

Browse through time.

#### New content:

From our partner museums, archives, libraries and audio-visual collections

Search

1857

Leipzig



#### Refine your search:

By language + By country +By date + By provider +By type +

#### Actions:

#### Login | Register



No image? Click through the colour block to see the item. We are still loading...

Advanced search





Bibliothèque nationale de France

#### Voyage aux Champs-Élysées / Étienne Eggi...

Eggis, Étienne (1830-1867) 1855

Bibliothèque nationale de France



Hetzel

#### Graciane Finzi - Théâtre des Champs Elys...

Bibliothèque nationale de France

2009 IRCAM-Institut de Recherche et\_ Coordination Acoustique/Musique



1933

Scran

#### The Emperor Napoleon III reviewing Troop... CultureGrid



Album : Delacroix reçu aux Champs-Elysée...

Stadtgeschichtliches Museum

Fantin-Latour Ignace Henri Jean Théodore (1836-1904), Culture.fr/collections



#### [Chevaux de Marly, Champs Elysées]: [de...

1794 Bibliothèque nationale de France



#### Café-concert des Champs-Élysées, ryc. LV...

Coste (19 w.), grafik 1867 Federacja Bibliotek Cyfrowych



#### Paris Champs Élysées : [dessin] / Ch.les...

Ransonnette, Charles (1793-1877). Dessinateur Bibliothèque nationale de France,



Allée des Veuves [aux Champs-Elysées]: ... Bibliothèque nationale de France





Search

CIRQUE

de Paris

1857

Leipzig

Sounds (24)

Cirque des Champs Elysées

Stadtgeschichtliches Museum

Album : Delacroix reçu aux

Fantin-Latour Ignace Henri Jean

Champs-Elysée...

Culture fr/collections

Théodore (1836-1904),

Refine your search:

By language

By country

(1,961) (10) italy (10)

curope (8)

germany (7)

belgium (6) netherlands (6) noland (2)

sweden (2)

Culture.fr/collectio... (1,608)

(274) Institut national de...

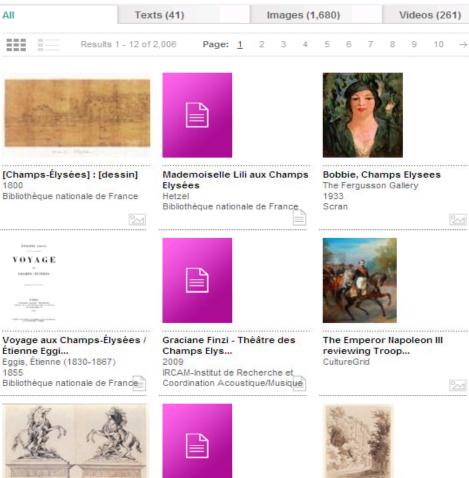
Bibliothèque nationa... (65) MiBAC - Ministero pe... (10) Centre Virtuel de la... (8) Cité de la musique (7) RCAM-Institut de Re... (7) Het Geheugen van Ned.

By date By provider

#### Advanced search

#### Matches for: champs elysees











[Chevaux de Marly, Champs Elysées] : [de... 1794 Bibliothèque nationale de France

Élysées, ryc. LV... Coste (19 w.), grafik Federacja Bibliotek Cyfrowych [dessin] / Ch.les... Ransonnette, Charles (1793-1877). Dessinateur 1851 Bibliothèque nationale de France

Allée des Veuves [aux Champs-Elysées]: ... Bibliothèque nationale de France



 $\blacksquare$ 

By type

Actions:



Matches for:



↑ Return to

Berfet I This, the

#### Related content: Items

Anschlagzettel



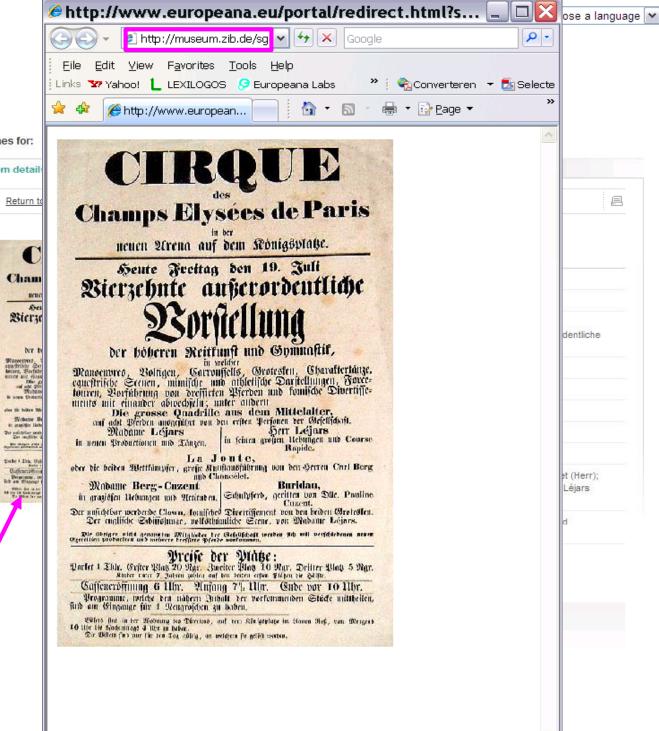
Anschlagzettel

Anschlagzettel

See all related items

#### Actions:

Login | Register



About us Using Europeana Accessibility Sitemap T





European Union 100%

View in original context
Opens in a new window

 $\blacksquare$ 



Search
Advanced search

Matches for: champs elysees

Item details

↑ Return to results



CIRQUE

Champs Elysées de Paris

nor en atrona au bem sonigéodabe.

Sente Secting ben 19. Juli

Sicrachnte außecordentliche

23 orfellung

Nor bebern Neitzunft und Commont.

Benevente Steinen, Gerrafiele, Geordes, Gherdierlang, Carrangiele, Gherdierlang, Gherdierlang, Carrangiele, Gherdierlang, Gherdierlang, Carrangiele, Gherdierlang, Gherdierlang, Carrangiele, Gherdierlang, Gher

Cirque des Champs Elysées de Paris

Title: Cirque des Champs Elysées de Paris

Date: 1857?

Description: Anschlagzettel ohne Abbildung
Cirque des Champs Elysées de Paris ... auf dem Königsplatze ... vierzehnte außerordentliche
Vorstellung der höheren Reitkunst und Gymnastik

Format: 38 x 23,5 cm; Einzelobjekt; Papier / Buchdruck

Source: Stadtgeschichtliches Museum Leipzig

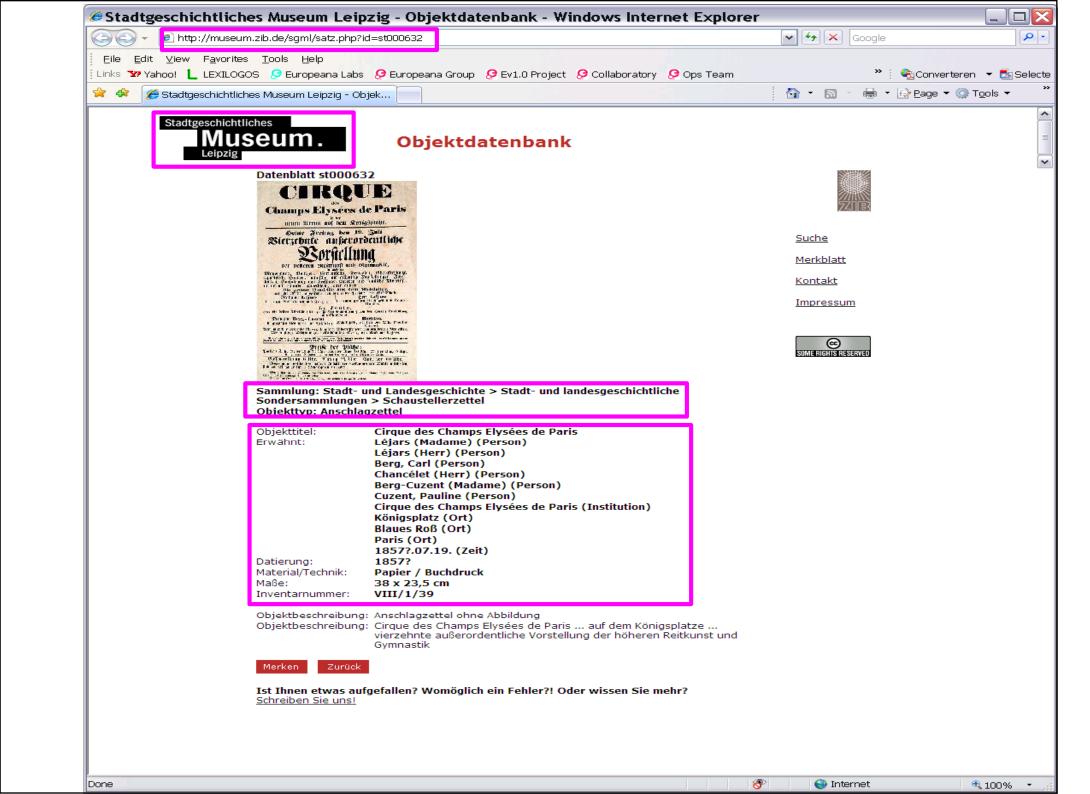
Provider: Stadtgeschichtliches Museum Leipzig; germany

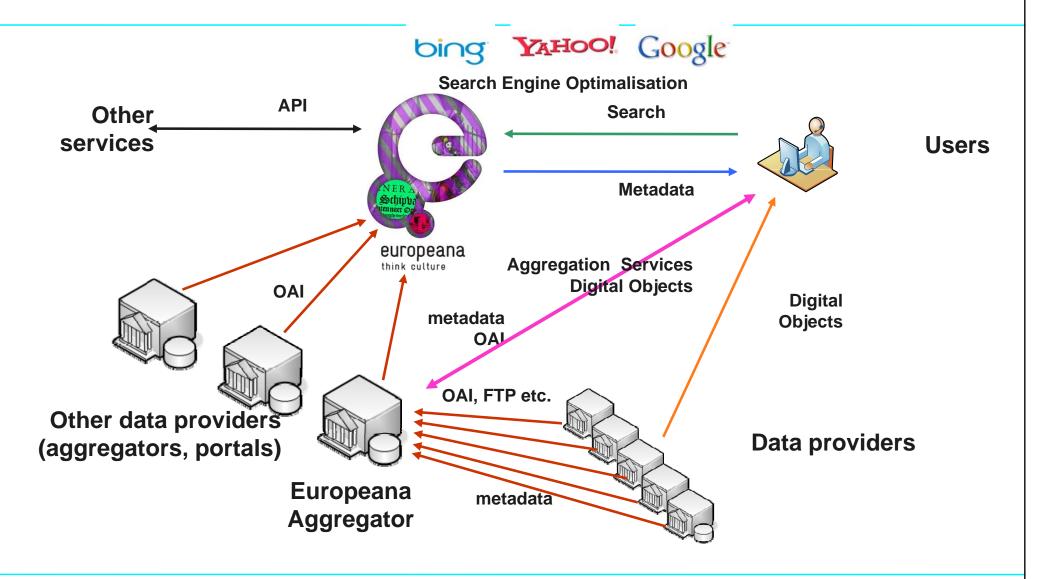
Less

Identifier: st000632; VIII/1/39

Subject: 1857?.07.19.; Berg, Carl; Berg-Cuzent (Madame); Blaues Roß; Chancélet (Herr);
Cirque des Champs Elysées de Paris; Cuzent, Pauline; Königsplatz; Léjars (Herr); Léjars (Madame); Paris

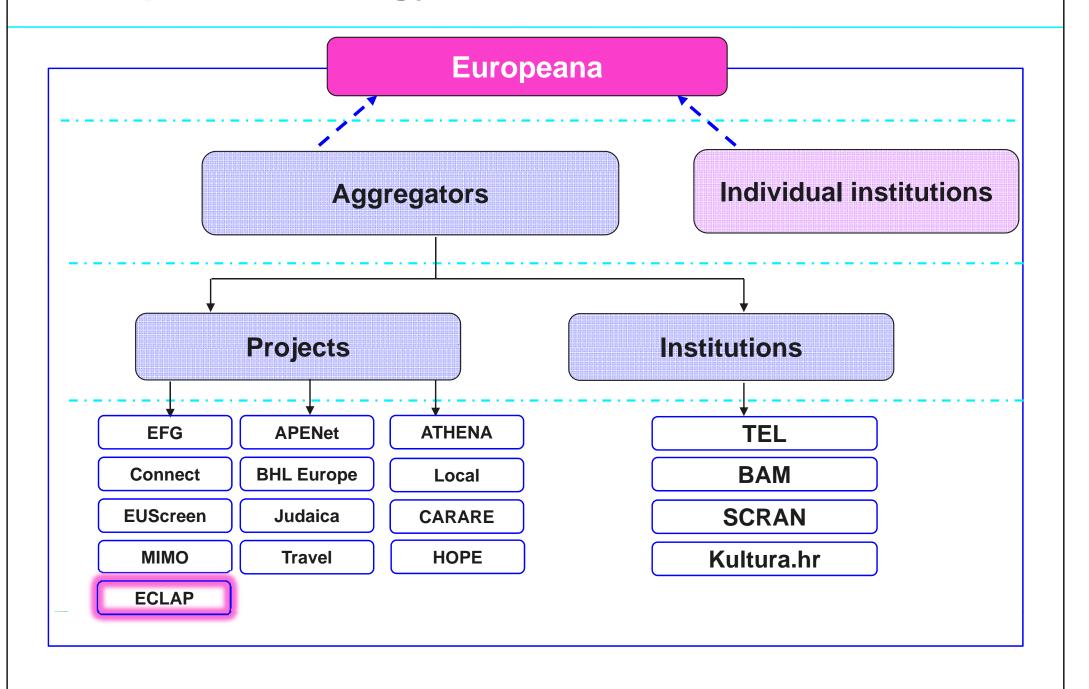
Type: Anschlagzettel; Schaustellerzettel; Stadt- und Landesgeschichte; Stadt- und landesgeschichtliche Sondersammlungen



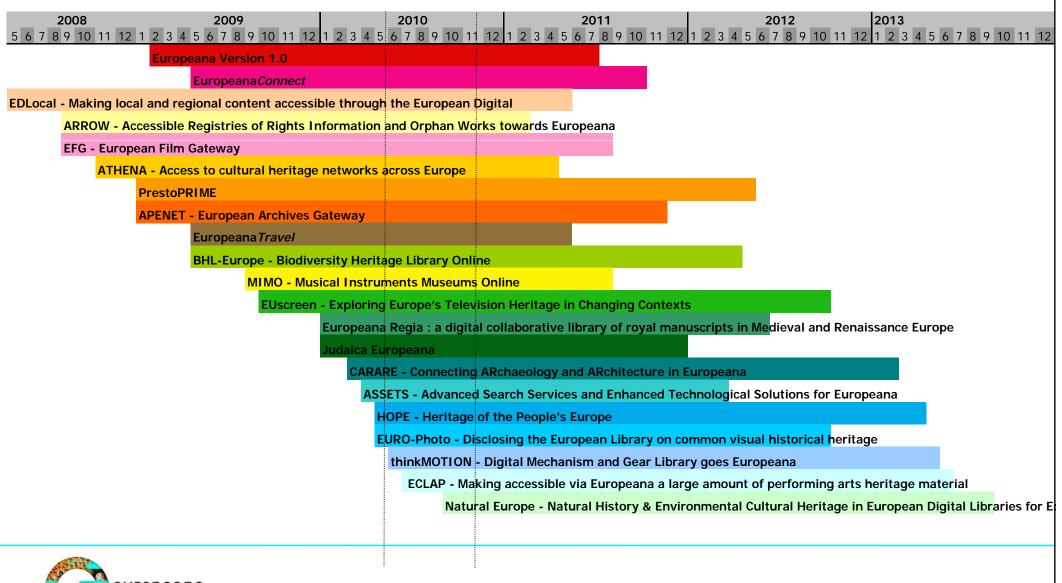




# **Europeana Strategy**



# 21 projects: May 2008 - Sept 2013





## **Development of Europeana**

### Core technology providers providing inter alia:

- Europeana v1.0
  - The Europeana Data Model
  - API
  - Content ingestion infrastructure
  - User interface refinements (e.g. auto-completion, improved ranking, etc.)
- Europeana Connect
  - Spatio-temporal search
  - Mobile access
  - Semantic enrichment and navigation
  - Multi-lingual search



## Content providers to Europeana

New release in 2010 with access to 10 million+ items from:

- European Film Gateway: film, scripts, posters, stills
- EUscreen: TV broadcasts
- Europeana Connect: sound recordings
- ASSETS: music, video, e.g. DeutscheWelle, 3D Unesco World Heritage
- Archives Portal Europe [APEnet]: national archives
- Athena: museum objects
- Europeana Local: regional libraries and museums
- Biodiversity Heritage Library [BHL Europe]: texts and taxonomies
- CARARE: Archaeological sites and historical buildings
- And more...

http://group.europeana.eu



### **ESE Elements**

# Strongly recommended

dc:title
dcterms:alternative
dc:creator
dc:contributor
dc:date

dcterms:created

dcterms:issued

### Recommended

dc:coverage
dcterms:spatial
dcterms:temporal
dc:description
dcterms:isPartOf
dc:language
dc:publisher
dc:source
dc:subject
dc:type<sup>7</sup>

### Additional elements

dc:format dcterms:extent dcterms:medium dc:identifier dc:rights dcterms:provenance dc:relation dcterms:conformsTo dcterms:hasFormat dcterms:isFormatOf dcterms:hasVersion dcterms:isVersionOf dcterms:hasPart dcterms:isReferencedBy

dcterms:references

dcterms:replaces

dcterms:isReplacedBy

dcterms:isRequiredBy

### Europeana elements

europeana:country
europeana:hasObject
europeana:isShownAt
europeana:isShownBy
europeana:language
europeana:object
europeana:provider
europeana:type<sup>7</sup>
europeana:unstored
europeana:uri
europeana:usertag
europeana:year



# How do I validate compliancy with ESE?

### Using the XML v3.2 ESE schema:

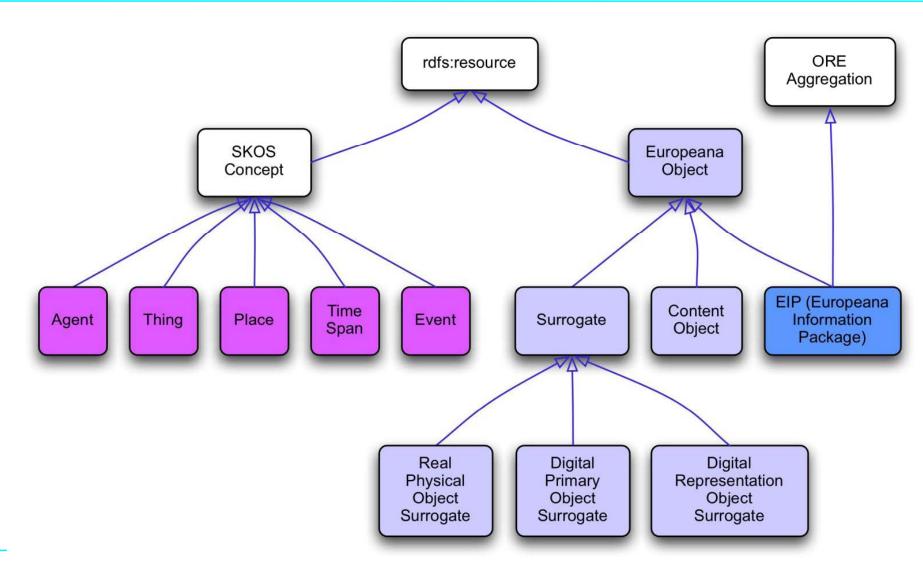
- The ESE v3.2 XML Schema is the XML representation of the Europeana Semantic Elements (ESE) specifications v3.2. This schema can be used to validate XML instances of Data Sets to be submitted to Europeana.
- http://version1.europeana.eu/c/document\_library/get\_file?uuid=104614b7-1ef3-4313-9578 59da844e732f&groupId=10602 and it is available here: <a href="http://www.europeana.eu/schemas/ese/ESE-V3.2.xsd">http://www.europeana.eu/schemas/ese/ESE-V3.2.xsd</a>

### Using the Content Checker:

This is a test and validation environment that consists of the Content Ingestor where providers upload
their data and the portal that allows them to search and browse these data as if they were using the
real Europeana. <a href="http://version1.europeana.eu/c/document\_library/get\_file?uuid=5efae853-74d4-4ca7-a949-90c401c93127&groupId=10602">http://version1.europeana.eu/c/document\_library/get\_file?uuid=5efae853-74d4-4ca7-a949-90c401c93127&groupId=10602</a>



# EDM: The class taxonomy in version 3





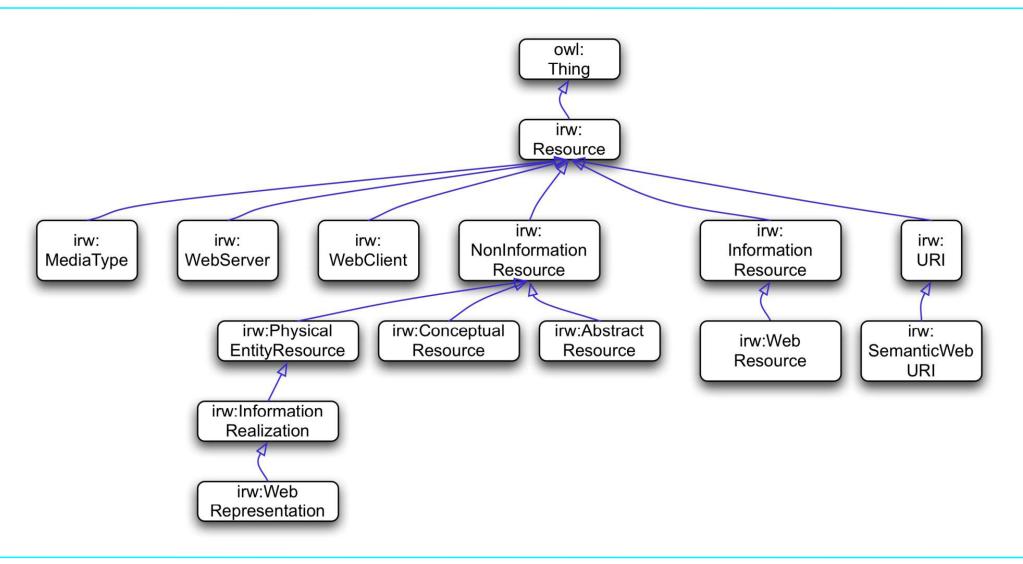
### A more web-oriented classification

# IRW ontology

- An ontology that emphasizes a conceptualization of the Web entities
- Derived from DOLCE Ultra Light (DUL)
- Being developed

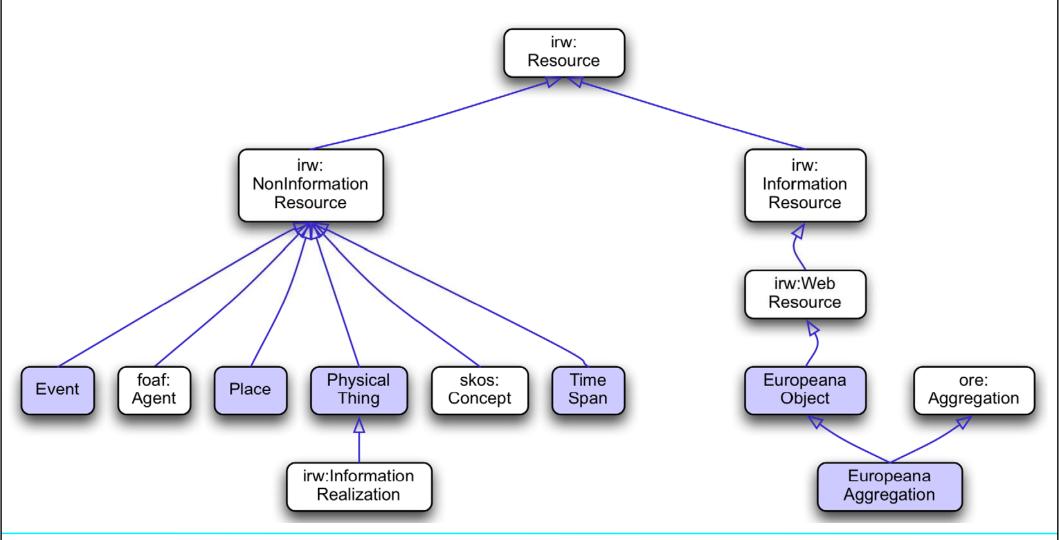


## IRW classesBerlin, Jan. 25-26, 2010





# **EDM**, Europeana Data Model





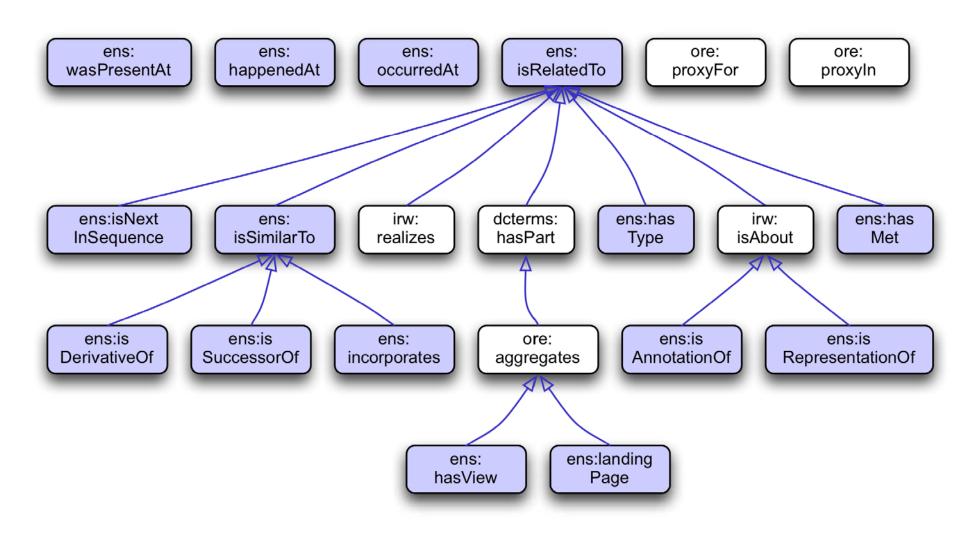
## **Properties**

- A few properties in version 3 have been replaced in version 4 by properties imported from other schemas
  - there will probably be others

- Many properties in version 3 have changed domain and range in version 4
  - due to the changes in the classes of the model

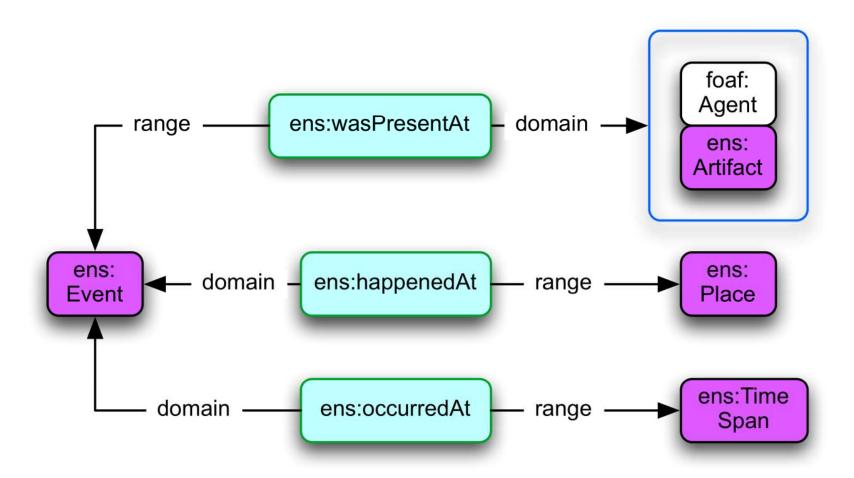


## **Europeana Property Hierarchy**





# properties



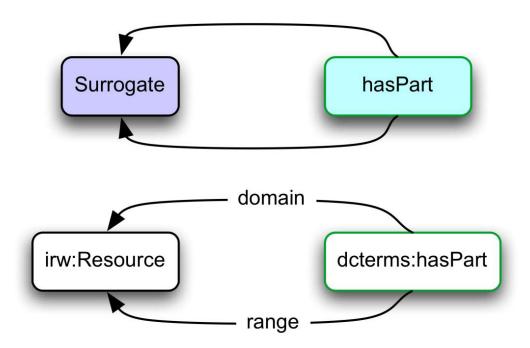


## **Properties**

- wasPresentAt (L. da Vinci wasPresentAt the creation of Mona Lisa)
  - discovery by persons, together with other properties (who query)
  - browsing artifacts
  - browsing events
- happenedAt (the creation of Mona Lisa happenedAt Florence)
  - discovery by places (where query)
  - browsing events
- occurredAt (the creation of Mona Lisa occurredAt 1503-1506)
  - discovery by time (when query)
  - time-line browsing
  - browsing events



### **Has Part**





### **EDM** elements

- divided into two main categories:
- The elements re-used from other namespaces, and
- The elements introduced by EDM.
- EDM re-uses from the following namespaces:
- the Identity of Resources on the Web (IRW) namespace (<a href="http://www.ontologydesignpatterns.org/ont/web/irw.owl">http://www.ontologydesignpatterns.org/ont/web/irw.owl</a>)
- the OAI Object Reuse and Exchange (ORE) namespace (<a href="http://www.openarchives.org/ore">http://www.openarchives.org/ore</a>)
- the Simple Knowledge Organization System (SKOS) namespace (<a href="http://www.w3.org/TR/skos-reference/">http://www.w3.org/TR/skos-reference/</a>)
- the Dublin Core (DC) namespace (<a href="http://dublincore.org/documents/dcmi-terms/">http://dublincore.org/documents/dcmi-terms/</a>)
- the Friend of a Friend (FOAF) namespace (<a href="http://xmlns.com/foaf/spec/">http://xmlns.com/foaf/spec/</a>)



### credits

### Many thanks to:

Max Kaiser,
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Martin Doerr,
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Antoine Isaac

