

**europæana**  
think culture

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# Europeana: from prototype to operational service

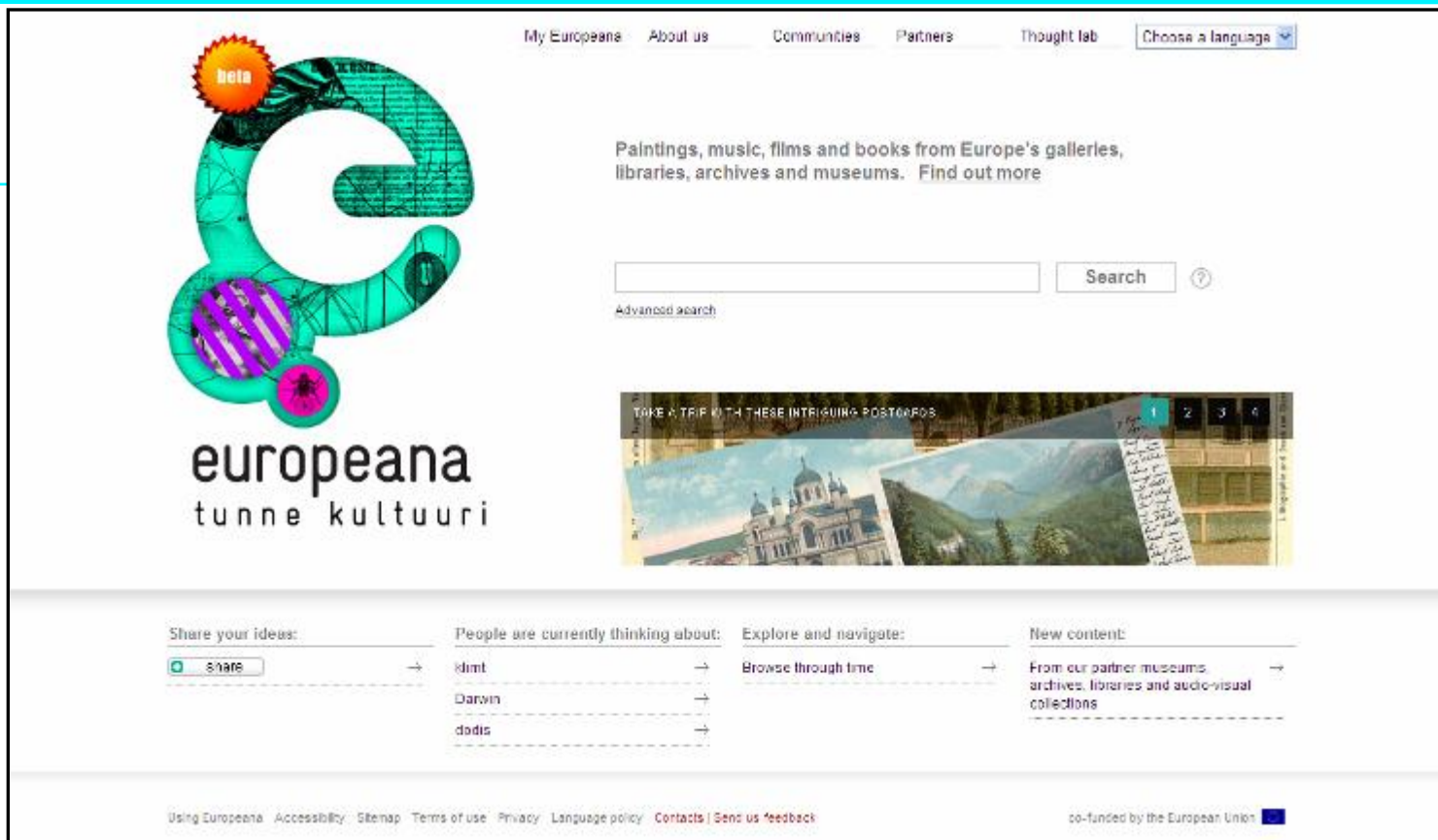
**Europeana Local National meeting, Poznan, Poland  
19 October 2010**

**Lizzy Komen, Europeana  
Business and Project coordinator**

# Content

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- Europeana  
Vision, current status, future plans and benefits
- EuropeanaLocal project  
Introduction, current status, project contribution



## A common, online multilingual access point to Europe's distributed digital heritage

Direct access to 10 million digital objects – film, photos, paintings, sounds, maps, manuscripts, books, newspapers, archival papers

# Europeana: Initial 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*

# From Prototype to Operational service

- EDLnet (2007-2009): Best Practice Network, developed the Europeana Prototype
  - Launch of the Europeana Prototype November 2008
- EuropeanaV1.0 (2009-2011): Best Practice Network, turns the Prototype into an Operational service
  - Europeana operational service released autumn 2010

# Europeana v1.0

- 30 months projects – started 1 February 2009
- Objectives:
  - Co-ordinating the development of a fully operational site
  - It creates automated work flows for ingestion of content
  - Begins end user marketing
  - Added functionalities, APIs and mobile access to deliver Europeana content in whatever way the user wants it
  - Develop longer term sustainability

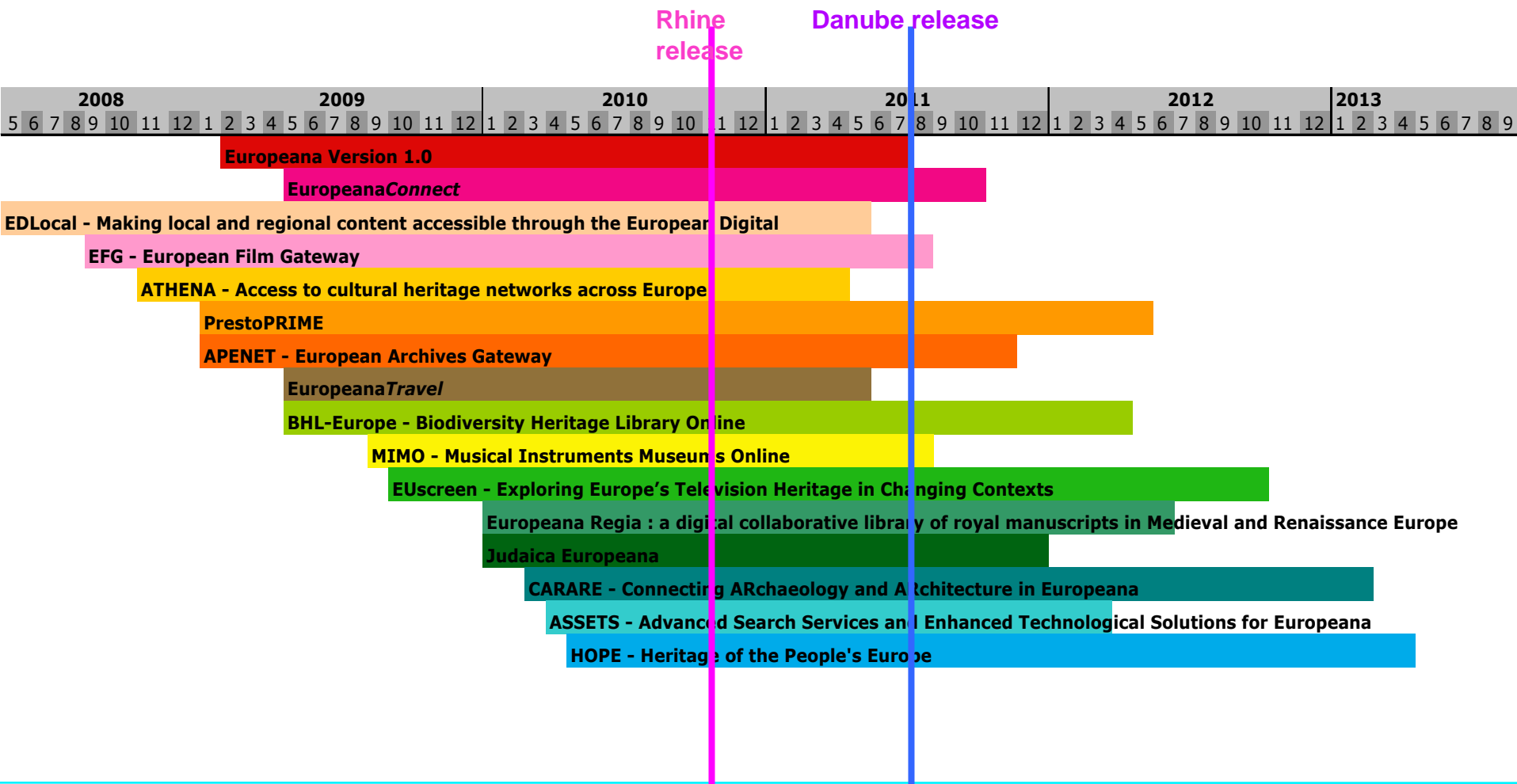
# EuropeanaV1.0 content objectives

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- 10 million items for Rhine release summer 2010
- Representation of National and European culture by all European countries
- Representation of all domains and types of content

# Supported Projects

## 16 projects 2008 –2010





# Rhine - Objectives

## API

Data reuse, Date improvement

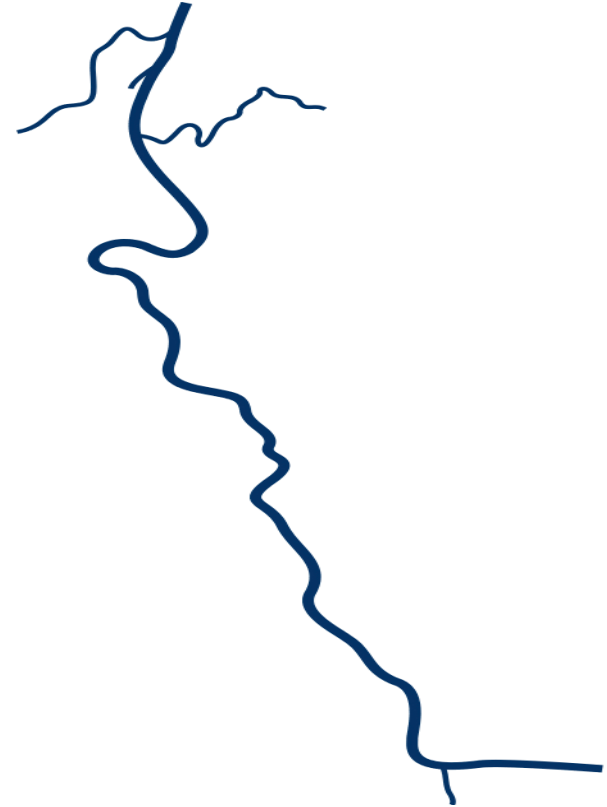
## Ingestion

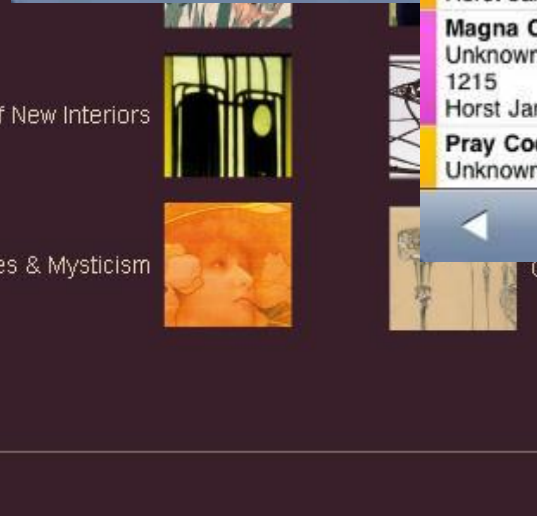
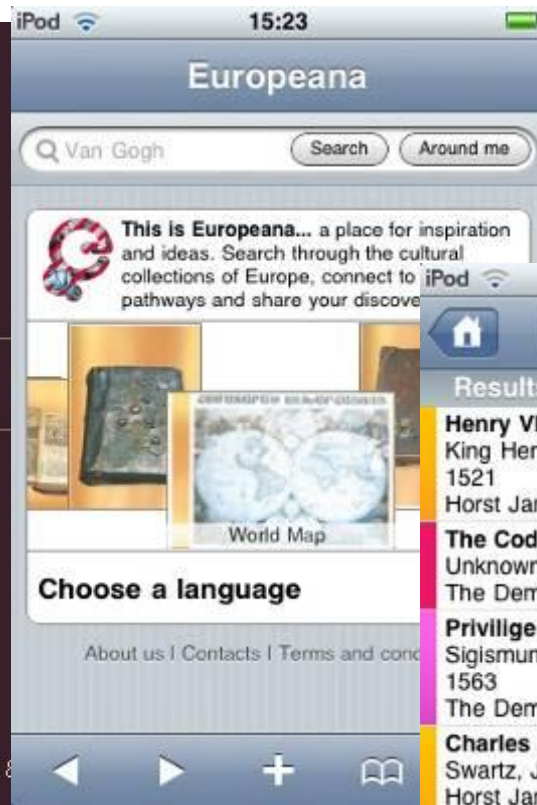
Incorporation of rights fields

OAI PMH Harvesting

SIP Managers

## Europeana Data Model

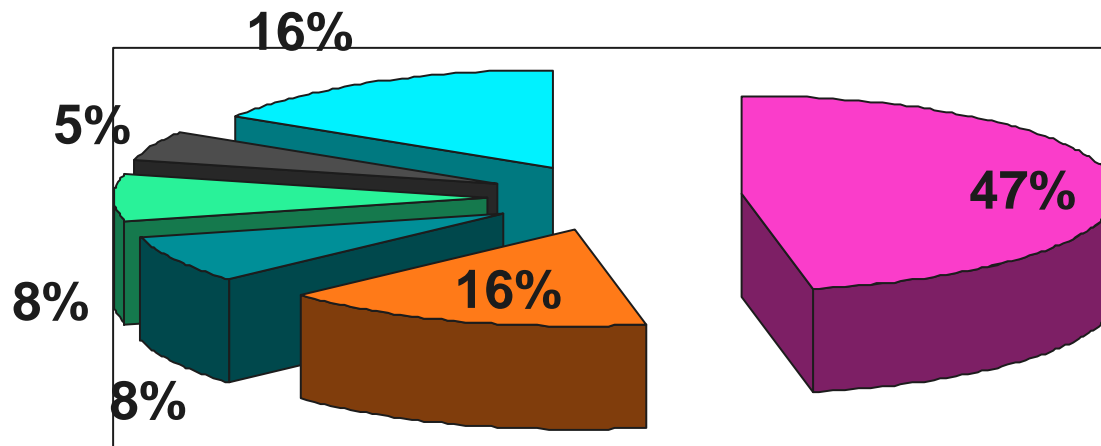




# September 2009

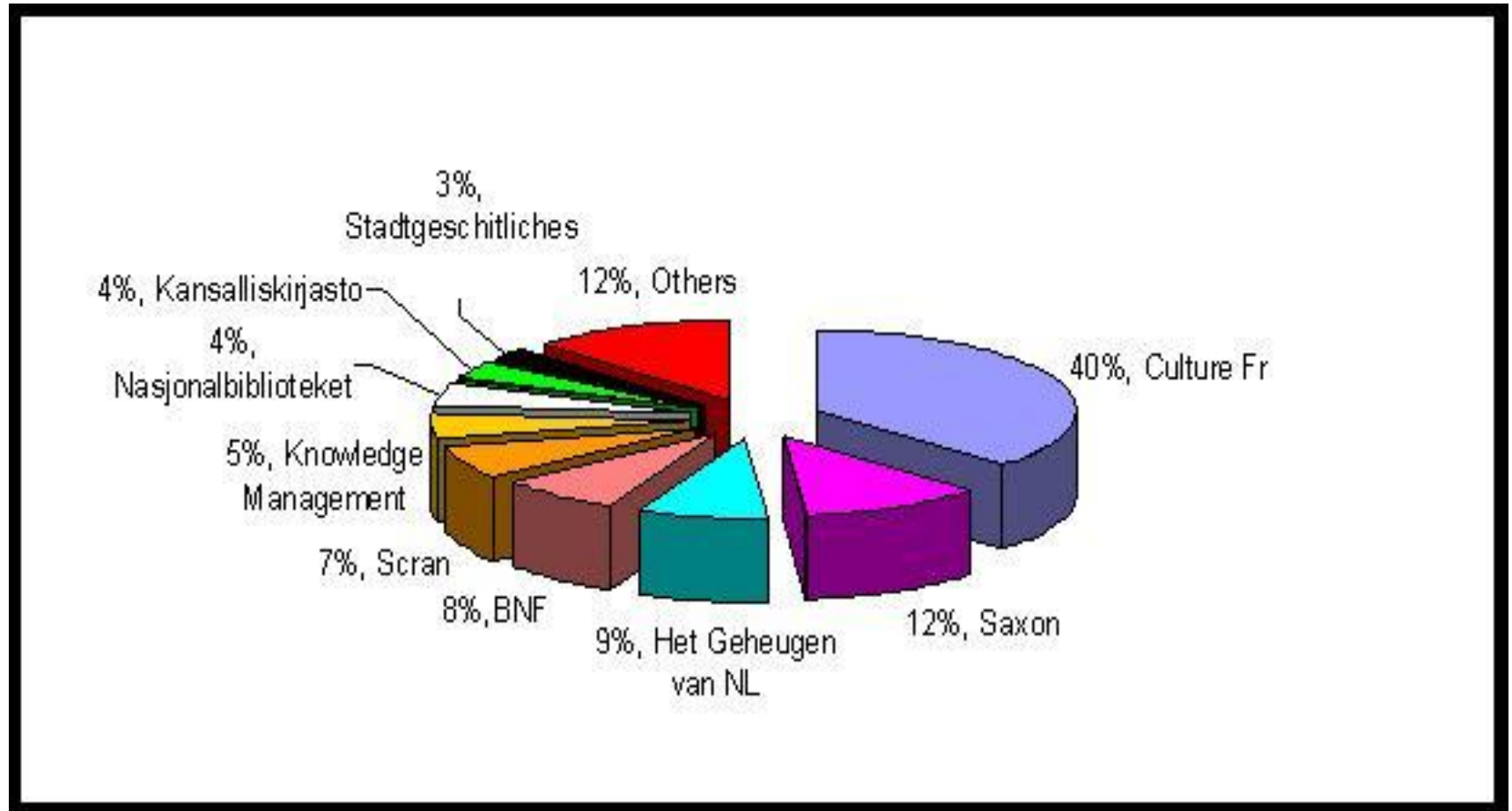
4.6 mill objects

5 countries contributing more than 1 %



# September 2009

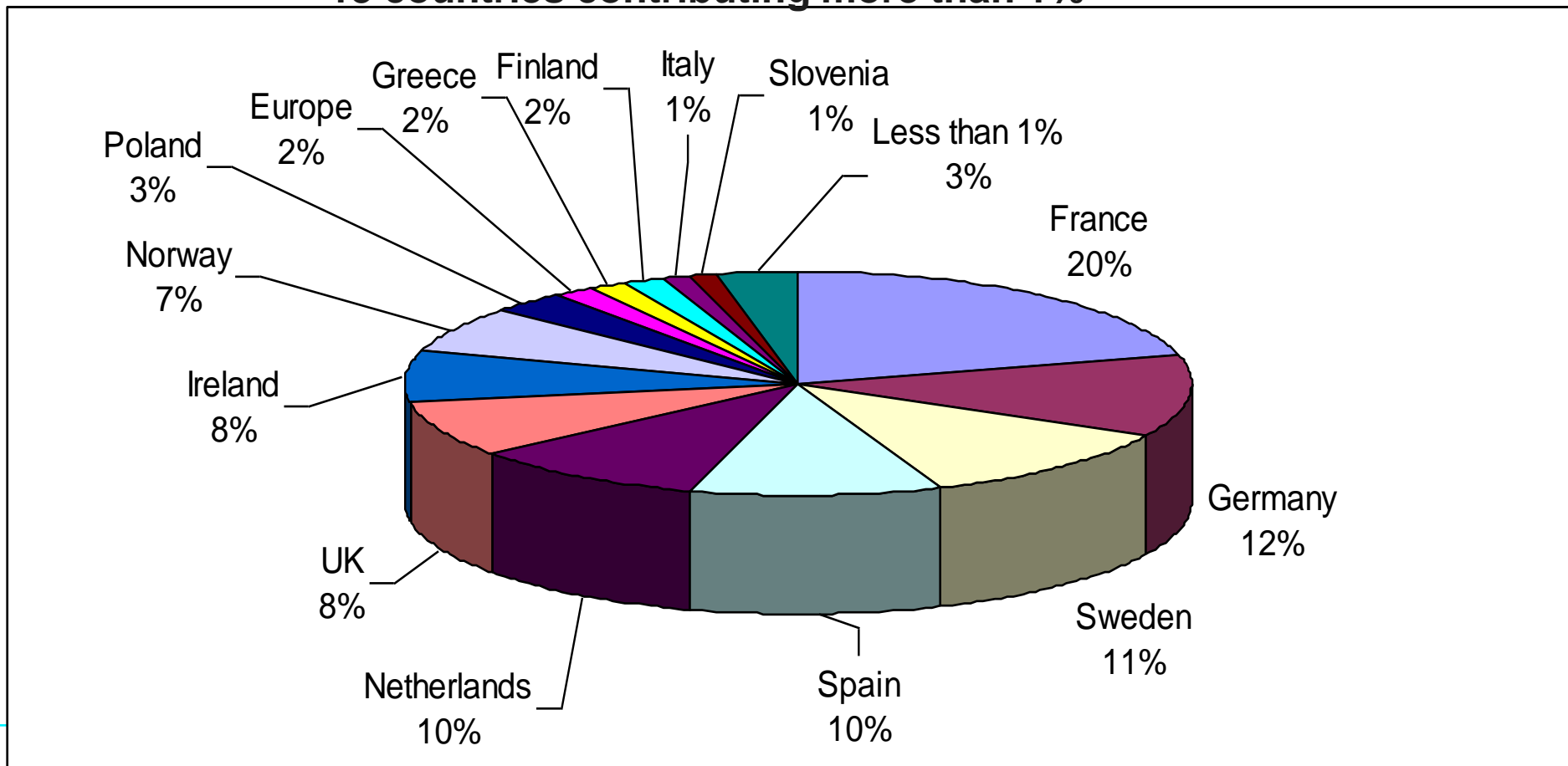
9 Data Providers contributing more than 1%



# September 2010

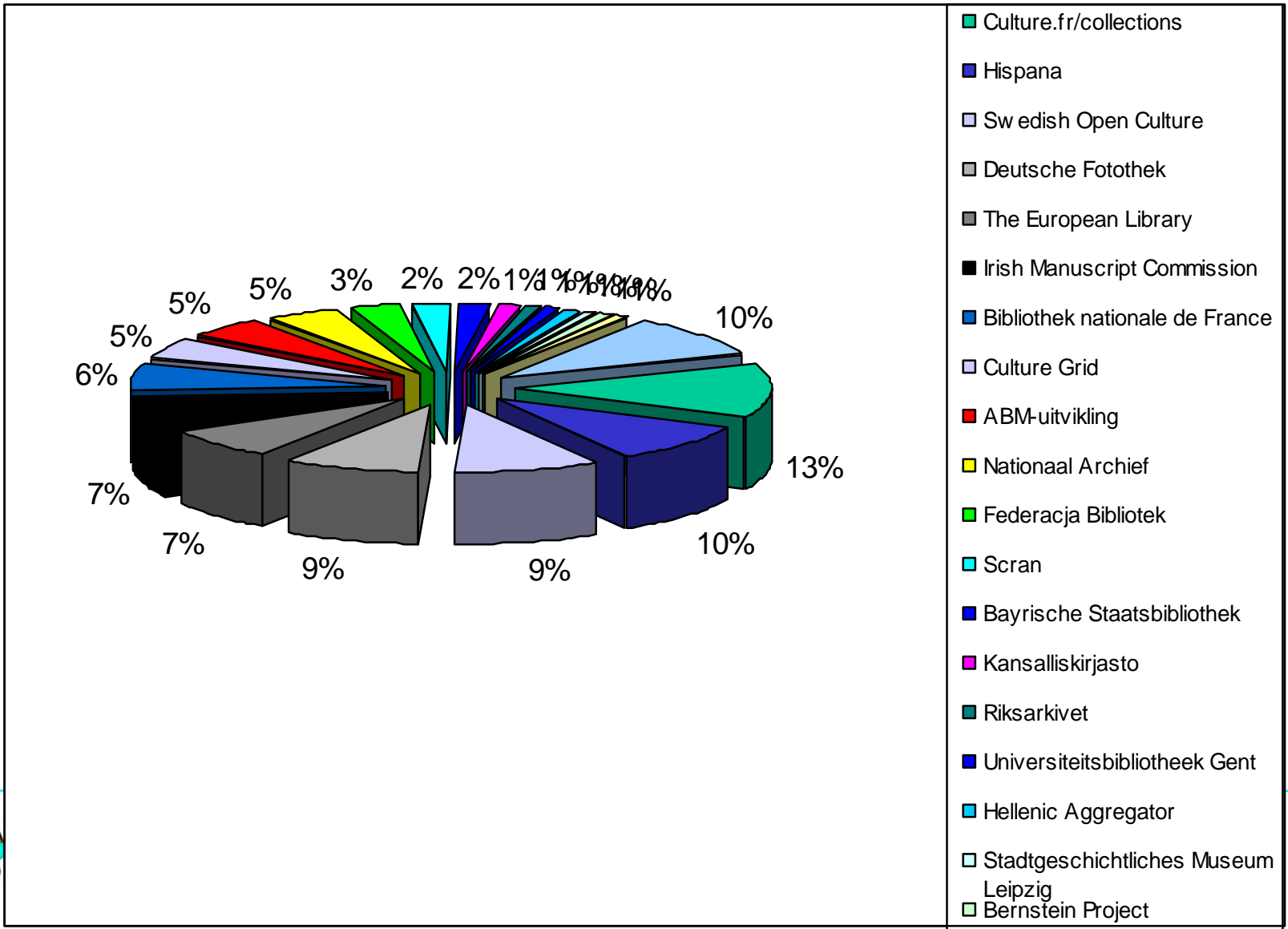
12.6 Mill objects

13 countries contributing more than 1%



# October 2010,

More than 20 providers contributing more than 1%



# Landscape of Content providers and Aggregators

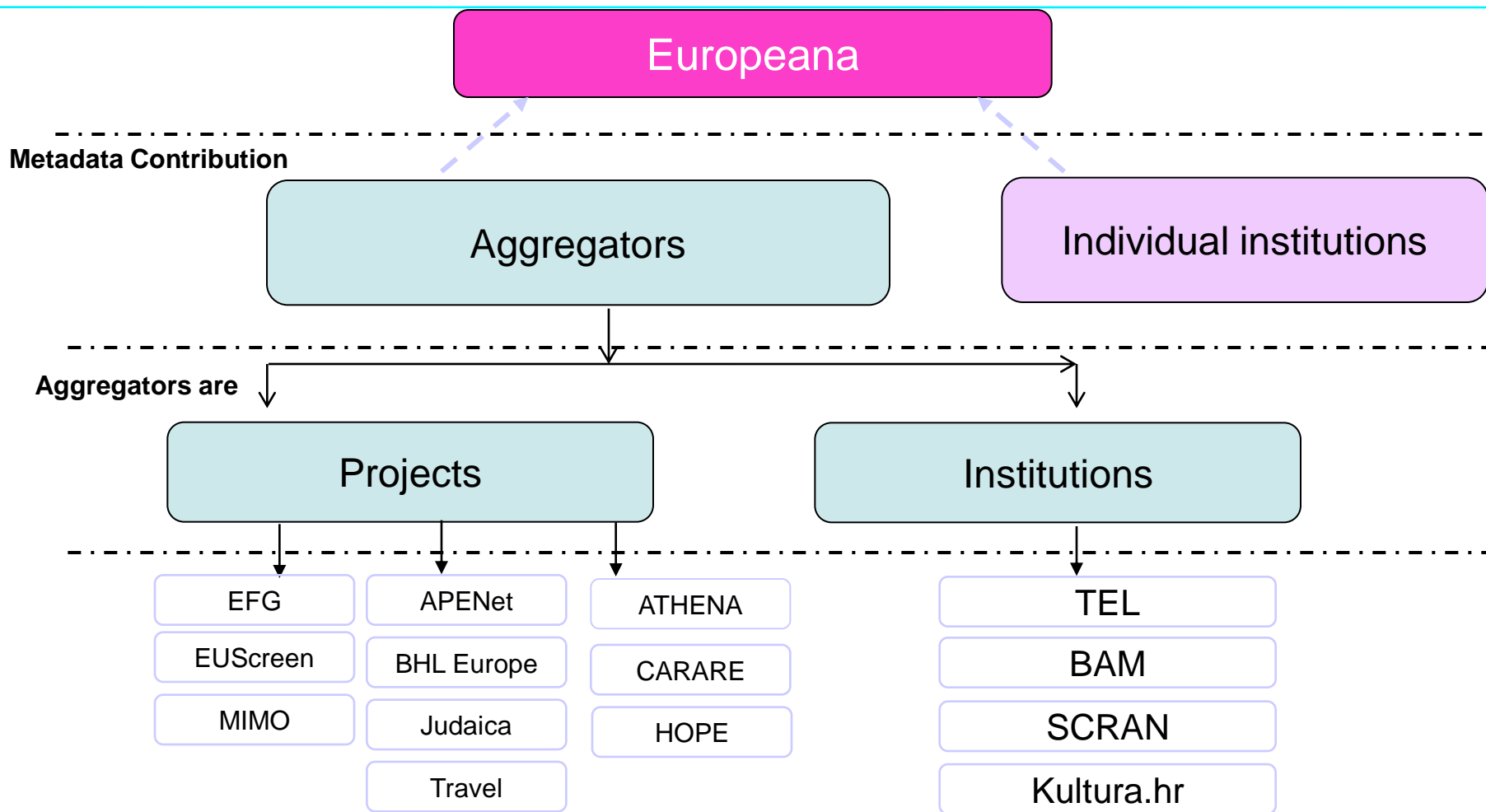


# What is an “Aggregator”?

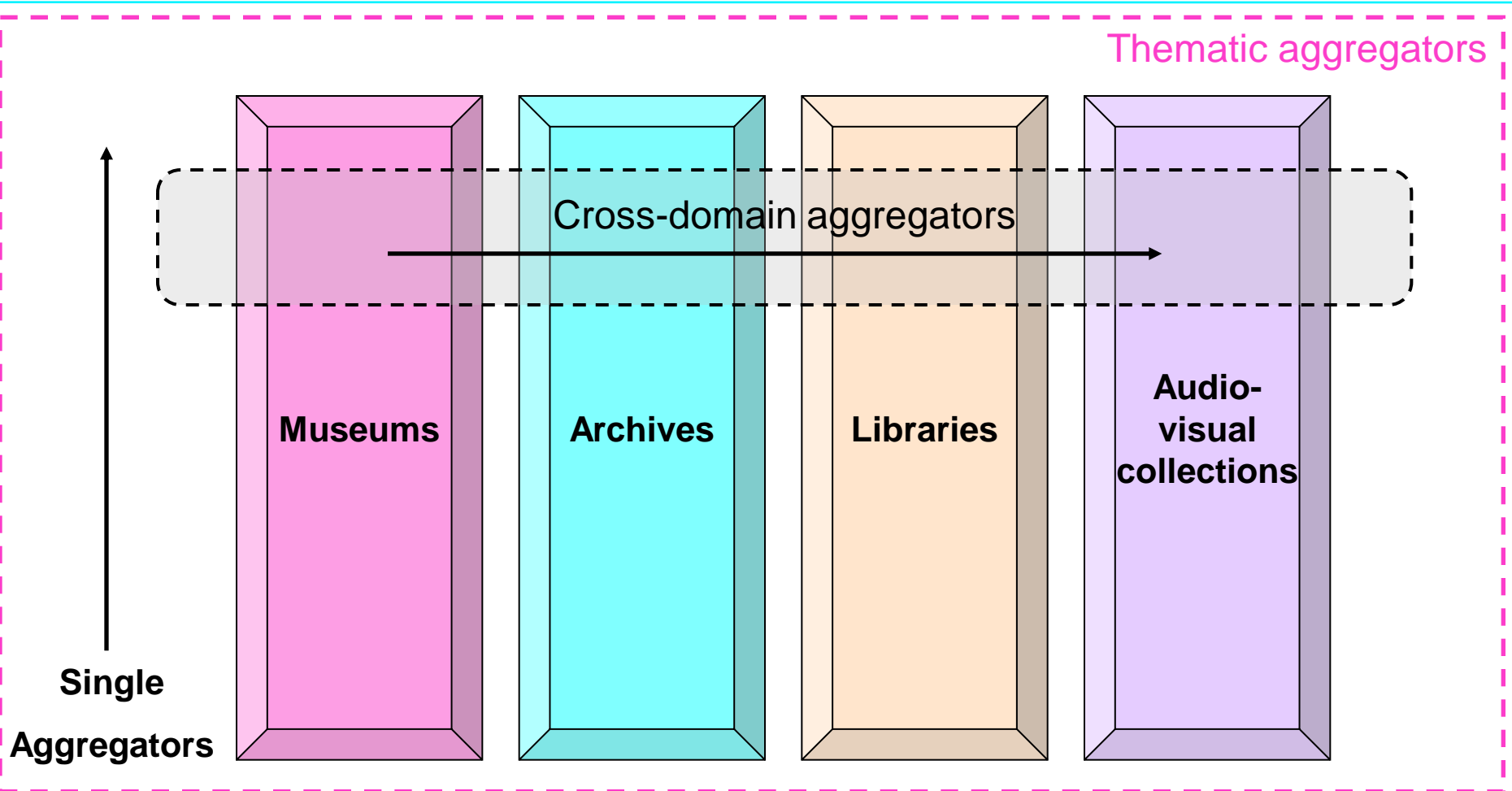
- An organisation that:
  - collects metadata from its group of content providers and transmits them to Europeana
  - helps content providers with guidance on conformance (...)
  - and converts metadata (...),
  - supports with administration, operations and training



# Who submits data to Europeana?



# Aggregators



# What data do I submit to Europeana?



## Related content:

### Items



Napkin



Napkin



Napkin

[See all related items](#)

## Actions:

Add a tag →

Save to My Europeana →

[Login](#) | [Register](#)

Matches for: yeats

### Item details

[↑ Return to results](#)



1. Thu

2. Me

Search  Enter search term  [Advanced](#) | [Fielded](#)

## Record

Free Scran Site

Title: Sea shanty  
Scran ID: 000-000-665-216-C  
Resource Rights Holder: The Robert Gordon University

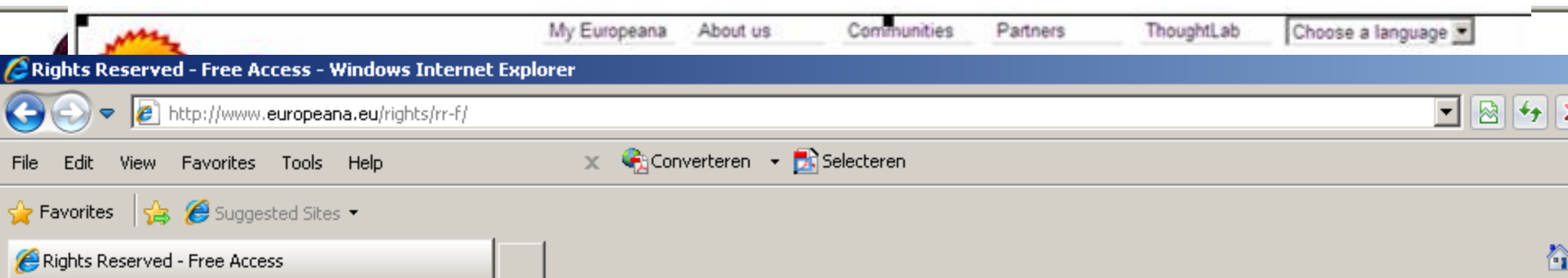
[Subscribe to Scran](#) [Order Image\(s\)](#) [More from this Collection](#)

**Price frozen: still from £10 in 2010**

### Clickable Random Records

3. [Links to digital objects online](#)

# Europeana Semantic Elements –ESEv3.3



## Europeana: Rights Reserved - Free Access



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# Vision Developed in the Current Service to - “Think Culture” (current)

Discover



WILLIAM



JUKKA

Explore



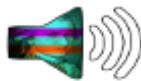
PETER



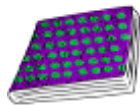
MARIA



Inspire



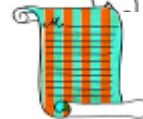
AUDIO



BOOK



FILM



MANUSCRIPT



PAINTING

# Developing Vision (future)

- Europeana White Paper No. 1  
Knowledge = Information in Context: on the Importance of Semantic Contextualisation in Europeana  
Stefan Gradmann  
<http://version1.europeana.eu/web/europeana-project/whitepapers/>
- Looks at the key role linked data will play in Europeana's development
- How it will help Europe's citizens make connections between existing knowledge to achieve new cultural and scientific developments

## Developing vision (2) (future)

- Without linked data, Europeana could be seen simply as a very large collection of digital objects
- With linked data, the potential is far greater – to create something that enables the generation of knowledge ..
- Europeana Data Model developed to support this

The [EDM Primer](#) and the [Definiton of the EDM Elements](#) are in the Technical documents section of the v1.0 website:

<http://group.europeana.eu/web/europeana-project/technicaldocuments/>

# Future Vision

## Europeana beyond Europeana Version 1.0

- Full services and functionalities
- Greater content
  - Summer 2010 Rhine Release  
10 million items
  - 2011 Danube Release  
expect to double content
  - By 2012 25 million items
  - ... Further growing content



# Danube Release

## Spring 2012:

*More content, new functionalities and services will stem from current and future R&D developments such as:*

## Features:

- Multilingual and semantic search and browsing
- New APIs for individual Europeana functionalities (ie using the timeline)
- Addition of User-Generated Content (annotations, tags, etc)
- New services: multimedia annotation tools, e-books on demand, search and location of objects using spatio-temporal elements, etc

**Europeana will continue to build based on international collaboration and technology watch**

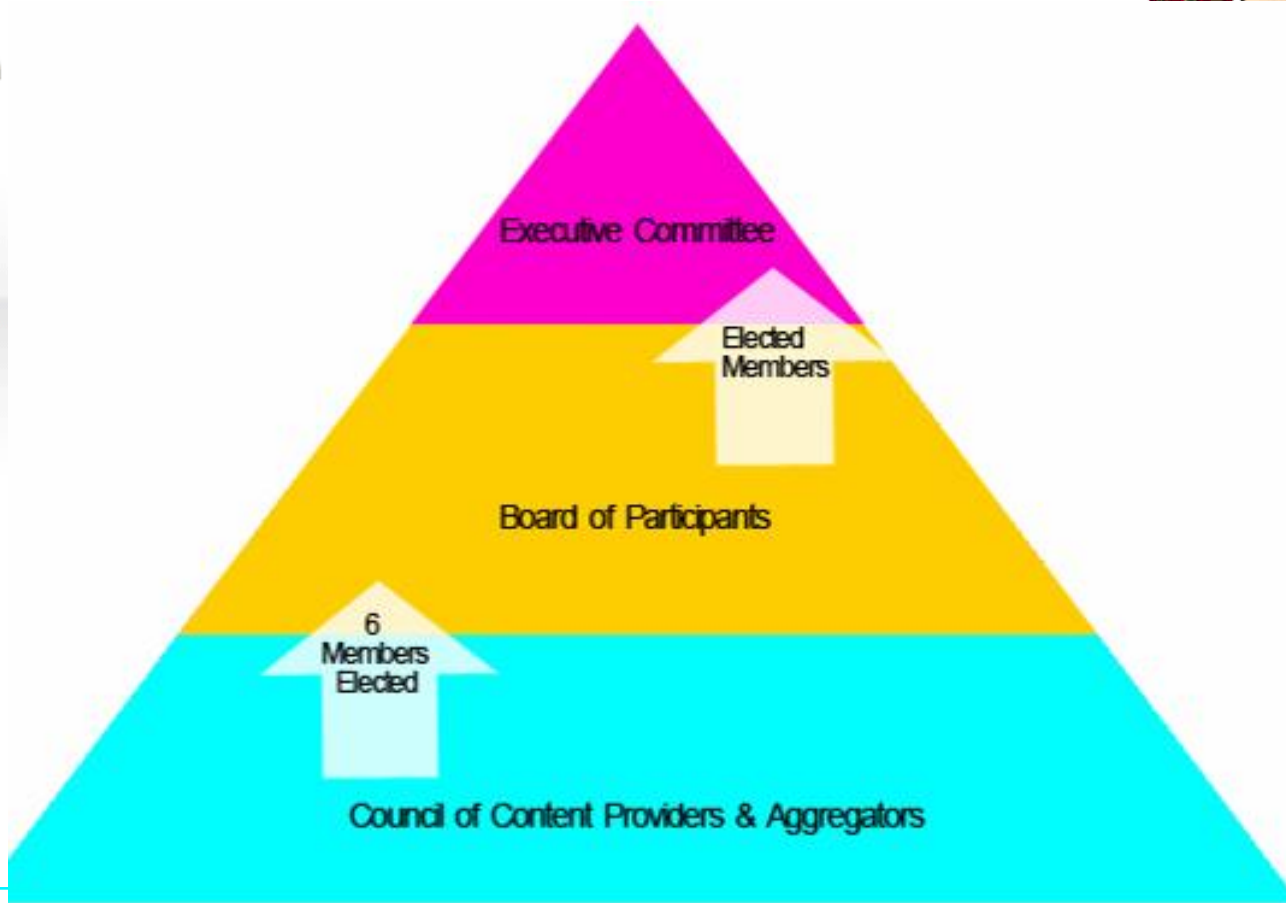
# EDM is a richer data model

- The EDM is a new way of structuring data that will bring the benefits of Semantic Web technology to Europeana
- It will open up the possibility for browsing Europeana in new and revealing ways which are not possible with the current Europeana Semantic Elements data model
- For example, the EDM will allow a digital object from one provider to be shown alongside a relevant article about the object or a thesaurus offered by other institutions, offering more context and information for users

# EDM: implementation

- Once Europeana starts receiving content formatted using the EDM it will also enable the use of linked data, which allows connections to be made between search terms.
- With linked data, a search for the "Virgin Mary" could lead to results not just for that single term, but also to objects labelled as "Mary, Mother Of Christ", "the Blessed Virgin" or "Heilige Maria"
- EDM validated by technical specialists at libraries, museums, archives and audio-visual collections
- It will be refined and tested between now and January 2011
- It is backwardly compatible with ESE, and will start to be used by data providers during 2011

# Content Council



Members Area

# Content Council

- Council of Content Providers & Aggregators (CCPA)

6 Elected officers:

- Nick Poole - Collections Trust, UK - Aggregators
- Francisco Barbedo, National Archives, Portugal, Archives
- Kjell Nilsson - Swedish National Library, Sweden, Libraries
- Henning Scholz, Museum of Natural History, Germany, Museums
- Ann Bergman, Federation of European Publishers, Europe, Commercial
- Hans van der Linden, Erfgoed International, Belgium



# europæana

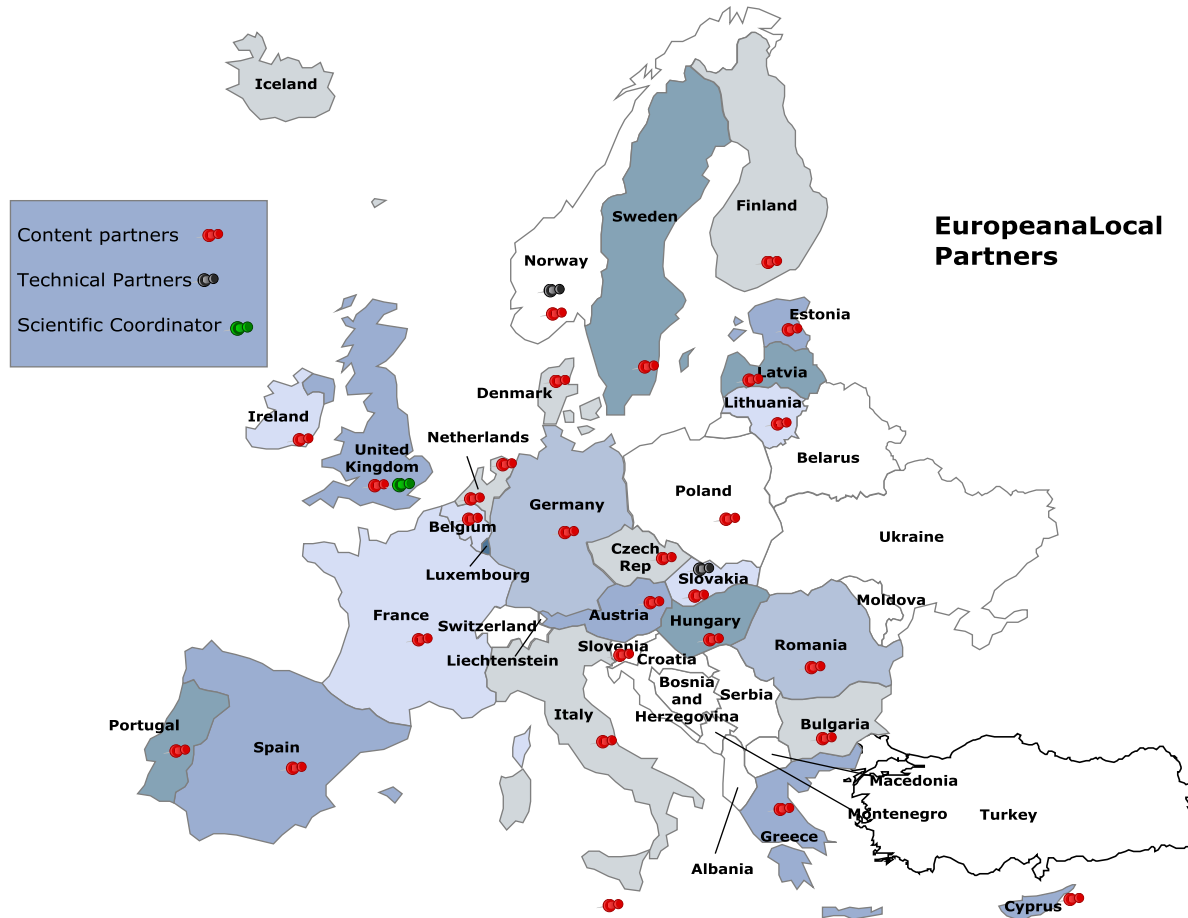
## local



# EuropeanaLocal (June 2008-2011)

- One of a family of additional projects funded by EC to further develop Europeana
- Focus is on ***local and regional*** museums, libraries, archives and audio-visual institutions:
- Goal: to mobilise and assist the huge numbers of them at local and regional level to make the enormous amount of digital content that they hold interoperable and accessible through Europeana and other service providers

# EuropeanaLocal: Consortium





# Europeana Local partners: types of organisation

- Europeana Foundation (Europeana)
- 1 Ministry of Culture
- 2 national libraries (as aggregators of local content)
- 2 national museums
- 3 national cultural agencies
- 5 regional cultural authorities
- 7 public libraries
- 1 local museum
- 1 research foundation
- 1 regional digital library provider
- 7 private sector organisations

# EuropeanaLocal Objectives

- Improve interoperability of digital content sourced by **regional/local libraries, museums, archives**
- Infrastructure for harvesting and indexing metadata
  - Europe wide network of OAI-PMH repositories/ aggregations
- Map existing metadata to Europeana standards (ESE)
- Data integrated within Europeana prototype service
- Establish easy processes for making data available

# EuropeanaLocal: where are we?

- June 2008-2011
- Year 1 was preparation
- Year 2 is implementation: getting content into Europeana
- **Year 3 focus will be encouraging more sustained aggregation of local and regional content**

# Europeana Local content live in Europeana from:

- Spain
- Norway
- UK
- Poland
- Sweden
- Greece
- Germany
- Slovenia
- Slovakia
- Bulgaria
- Latvia
- France
- Lithuania
- Netherlands
- Belgium
- Ireland
- Czech Republic
- Hungary
- Austria
- Finland
- *Coming soon from:*
- Portugal
- Malta
- Cyprus
- Denmark
- Estonia

**Over 3,4 million items ingested by Oct 2010!**

# Latvian rural women at work, 1920s

## The Museum of Latvian Photography



# Cyclist in Tarvastu, Estonia, 1912

## Johannes Pääsuke, Estonian National Museum



# Gradual, Grzegorz z Wroniek, 1627

The Kórnik Library of the Polish Academy of Sciences



# Polish data in Europeana 408,079 items...



Matches for: \*\* > COUNTRY:poland > TYPE:IMAGE

All

Texts

Images (28,386)

Videos

Sounds



Results 109 - 120 of 28,386

Page: 5

6

7

8

9

10

11

12

13

14

←

→

share

Refine your search:

By provider

Federacja Bibliotek ...  
(17,758)  
The National Library...  
(10,628)

By language

By country

france (1,748,886)  
germany (1,337,468)  
sweden (1,300,808)  
netherlands (1,166,518)  
uk (851,791)  
norway (633,337)  
europe (156,487)  
spain (126,235)  
belgium (119,098)  
greece (109,810)

By date

By type

TEXT  
(379,513)  
IMAGE  
(28,386)  
SOUND



Dwór z XIX w. w Gorczynie  
[Dokument ikon...  
Marszałkowski, Janusz  
1985

Federacja Bibliotek Cyfrowych



Kościół św. Wojciecha z końca  
XVIII w. w...  
Rzepkowski, Mariusz  
2006

Federacja Bibliotek Cyfrowych



Dzwonnica z końca XVIII w.  
przy kościele...  
Marszałkowski, Janusz  
1985

Federacja Bibliotek Cyfrowych



Dzwonnica z końca XVIII w.  
przy kościele...  
Marszałkowski, Janusz  
1985

Federacja Bibliotek Cyfrowych



Pomnik pomordowanych w  
latach 1939-1945 ...  
Marszałkowski, Janusz  
1985

Federacja Bibliotek Cyfrowych



Sieradz - widok na ul. Jana  
Pawła II [Do...  
Marszałkowski, Janusz  
1985

Federacja Bibliotek Cyfrowych



Sieradz - skrzyżowanie ul.  
Jana Pawła II...  
Marszałkowski, Janusz  
1985

Federacja Bibliotek Cyfrowych



Sieradz - panorama miasta  
[Dokument ikon...  
Marszałkowski, Janusz  
1985

Federacja Bibliotek Cyfrowych





# ...data from

- Federacja Bibliotek Cyfrowych
- National Library of Poland

The screenshot shows the Europeana search results page for the query 'The National Library of Poland'. The page features the Europeana logo on the left, a search bar at the top, and a grid of search results. The results are filtered by country (Poland) and type (Image). The search results include various historical documents and portraits, such as 'Dziennik powstancow uzbrojonych w koszyki', 'Portret Wladyslawa Wlaga', and 'Z domu i niedrogi Warszawa'. The page also includes a sidebar with filters for provider, language, country, and date, and a footer with social media icons and a 'No image?' message.

My Europeana About us Communities Partners Thought lab Choose a language

Search

Refine Search Advanced Search

Matches for: \*\* - COUNTRY:poland - TYPE:IMAGE - PROVIDER:The National Library of Poland

All Items (2,957) Images (10,628) Videos (0) Sounds (0)

Results 1 - 12 of 10,628 Page: 1 2 3 4 5 6 7 8 9 10 11 12 store

Refine your search:

By provider

- Federacja Bibliotek ... (17,758)
- The National Library ... (14,826)

By language

By country

- poland (10,628)

By date

By type

- IMAGE (10,628)
- TEXT (8,927)

Actions:

Save this search

Login Register

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

[Dziennik powstancow uzbrojonych w koszyki] [B... 1863 The National Library of Poland

[Portret Wladyslawa Wlaga] [Dokument k... Jacek, Dama Jul. w2006 1863 The National Library of Poland

"Z domu i niedrogi Warszawa" : album ... Rapala, Zofia (1871-1928) 1920 The National Library of Poland

[Portret Aleksandra Schaczewskiego] [Do... 1862 The National Library of Poland

[Portret Jana Dlubawskiego] [Dokument k... 1865 The National Library of Poland

[Portret Wladyslawa Romaszewicza] [Dokume... 1863 The National Library of Poland

[Portret Ignacego Chreptowskiego] [Dokum... 1863 The National Library of Poland

Maurycy Gottlieb 1856-1879 : 26 reproduk... Orlicki, Maurycy (1856-1879) 1923 The National Library of Poland

# Example Content from EuropeanaLocal: Poland

**beta**

Cyfrowy Dedykowany Sąd

My Europeana About us Communities Partners Thought Lab Choose language

Tytuł: "Świat Jerzego Kolankowskiego"

**Wydanie**

- Opro
- Informacje
- Struktura
- Treść
- Treść (nowe okna)
- Pobierz
- Podobne wydania

**O strońie...**

Serwis tworzony przez Jeleniogórskie Centrum Informacji i Edukacji Regionalnej - Książnice i Karkonoskię.  
poczta: jbc.jelenta.gora.pl@gmail.com

Ten serwis działa dzięki oprogramowaniu dLibra 4.0

**Related items**

Sy Ko

Jel Gó

**Actions:**

Add a tag

Save to My

Login | Register

00:41/12:23

# Example Content from EuropeanaLocal: Poland



eur  
think

Related  
Items



Actions:

Add a tag →

Save to My Europeana →

[Login](#) | [Register](#)

[My Europeana](#)

[About us](#)

[Communities](#)

[Partners](#)

[Thought lab](#)

[Choose a language](#)

Małopolska Biblioteka Cyfrowa - Windows Internet Explorer

https://mbc.malopolska.pl/brn/document?id=164158&name=FBC

Bestand Bewerken Beeld Favorieten Extra Help Converteren Selecteren

Małopolska biblioteka Cyfrowa

Tytuł : Reakcja Bronisława Wójcika - dzieciństwa w Ołpinach, życie codzienne i obrzędy wiejskie (1920-1939), edukacja zawodowa, Żydzi w Sierzynach (lata 20. i 30.); wybuch wojny i ucieczka na... Rozwinięty

Strona główna

Wydanie

- Opis
- Informacje
- Treść
- Treść (nowe okno)
- Pobierz
- Podobne wydania

O stronie...

Współczesna Małopolska

Serwis tworzony przez WBP Kraków.

Ten serwis działa dzięki ograniczomawia (1.0 i a 4.0)

Współczesna biblioteka publikacji w Krakowie

Afspelen

wojcik\_bronislaw\_skr

Abonnementen zoeken

wojcik\_bronislaw\_skr 1:00

Accu : Wilsleurigheid

Totaal tijd: 1:00

Afspelen: 128 kbit/seconde 00:04

share

two w Ołpinach,  
20-1939),  
ach (lata 20. i  
ród do Równego  
cie pod o...

odzienne i obrzędy wiejski  
0.); wybuch wojny i uciecz  
pod okupacją w Sierzynach  
w Sierzynach, ukrywanie  
wolenie przez Armię  
ś społeczna (od 1944)

tozm. przepr.

Description: Fragm. nagrania (1 min). - Wersja pełna (dostępna w siedzibie WBP): 3h 9 min, format mp3, 128 kbit/s, 44,1 kHz, mono

Language: pl

Format: audio/mpeg



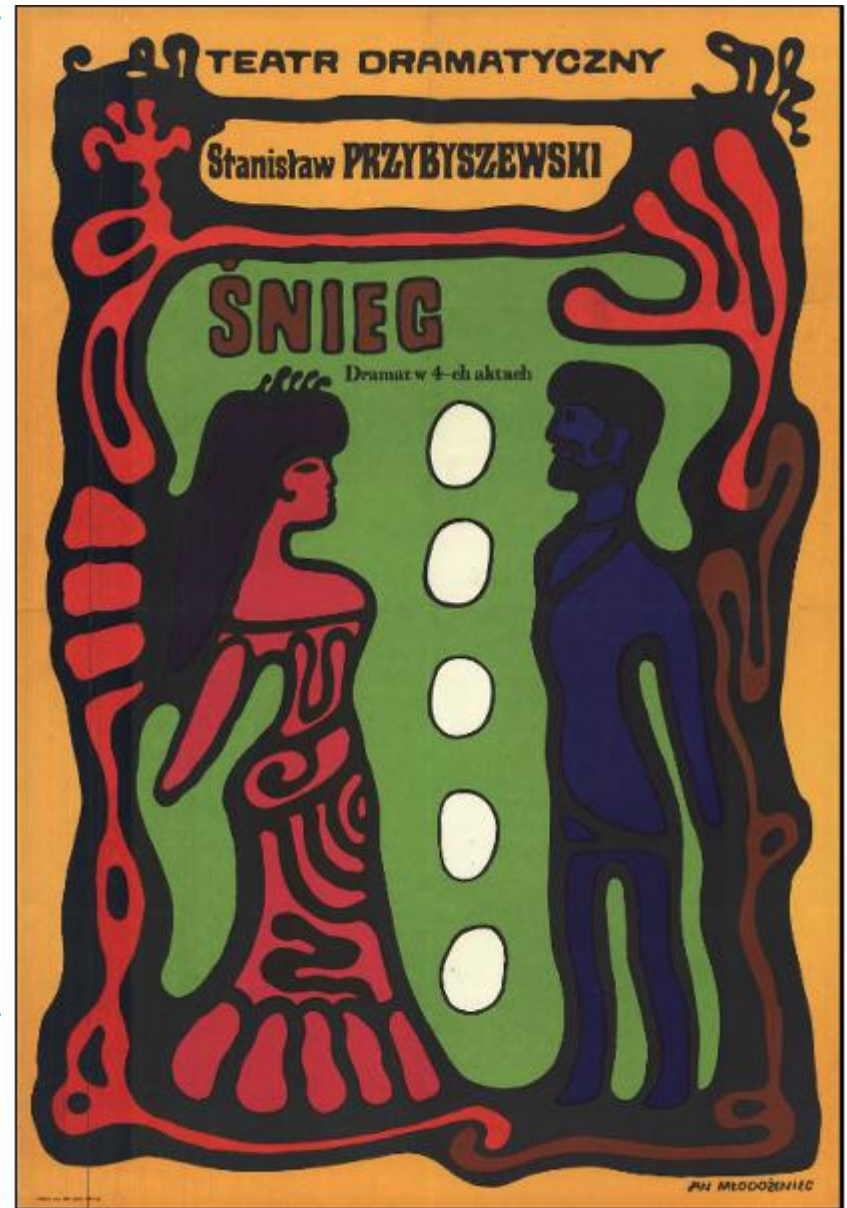
# Example Content from EuropeanaLocal: Poland



# Example Content from EuropeanaLocal: Poland



# Example Content from EuropeanaLocal: Poland



# Europeana Local achievements

- Promoting and enabling the participation of local and regional content holders
  - making available over 3.5 million digital items from local and regional institutions across Europe
  - contributing powerfully to the growth and scope of Europeana
- Contributing to understanding and solving interoperability issues across cultural heritage domains
  - taking account of the particular needs of local and regional institutions
- Acting as a real world test bed for Europeana's standards, tools and infrastructures and providing feedback
- Encouraging the development of sensible and sustainable levels of aggregation in each partner country
- Increase of viable aggregators in partner countries, e.g. Hellenic Aggregator, (Greece), Hispana (Spain) and Federacja Bibliotek Cyfrowych (Poland)



# Europeana: an Overview of Benefits

- Political Agenda
- Traffic; targeting end-user
- Visibility; of your content and institution
- Europeana Shared Services, activities and tools
- Think Global act Local; Global activities structured and centralised at local level
- Part of some fast moving developments in portal and technology
- Network; Projects, Content Council, Thematic Network
- Future Challenges

Europeana belongs to  
all of us  
created by all of us and  
to be explored by all of us

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Thank you for your attention

Lizzy.komen@kb.nl

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