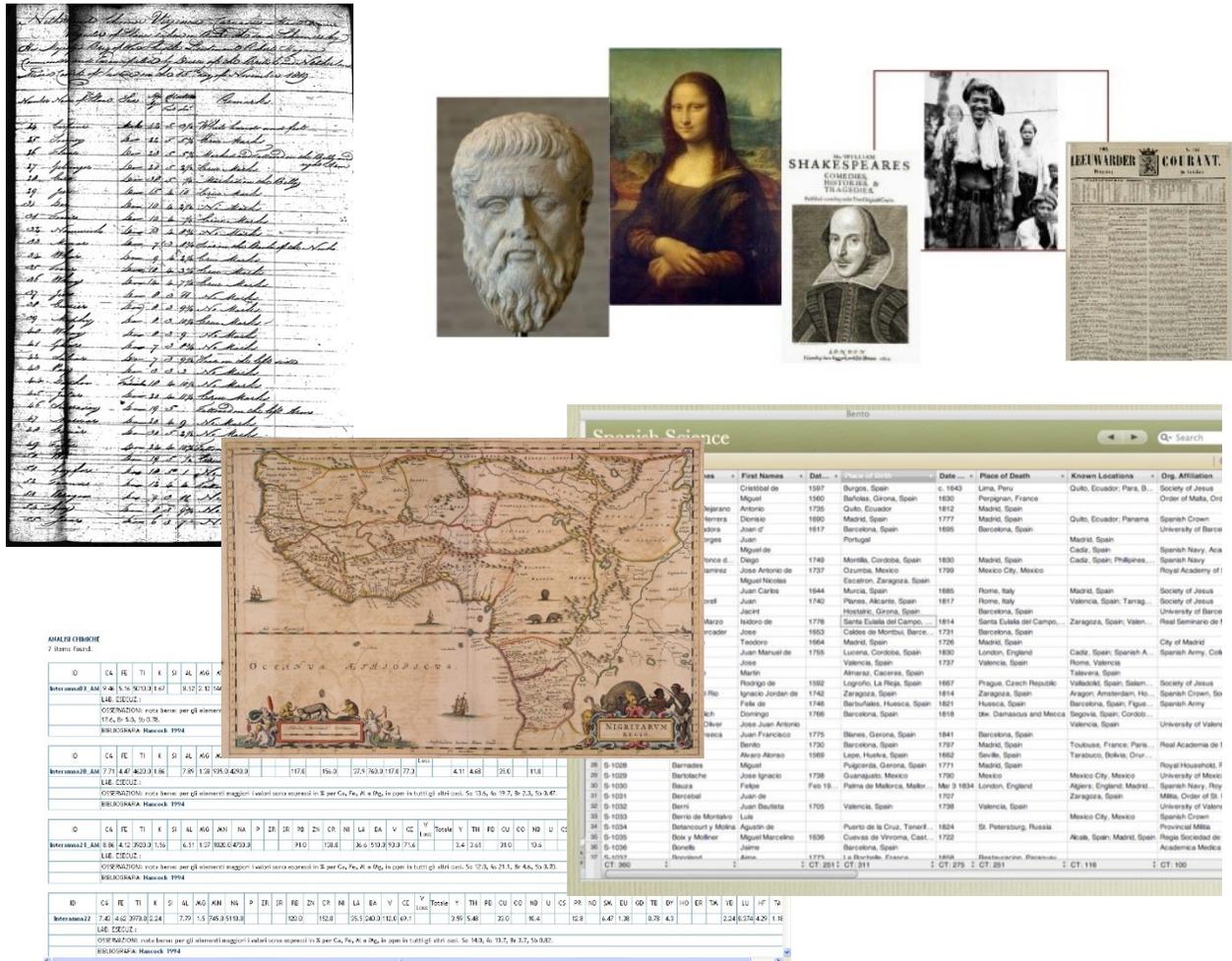




Contextualizing Cultural Heritage in a Digital Library Environment with DSpace-GLAM

Claudio Cortese (4Science SRL)

Growing amount of data in Humanities



Humanities are witnessing a growth of available digital data.

- Databases
- Archival Materials
- Books
- Museum Objects
- Digital Born Cultural Resources
-

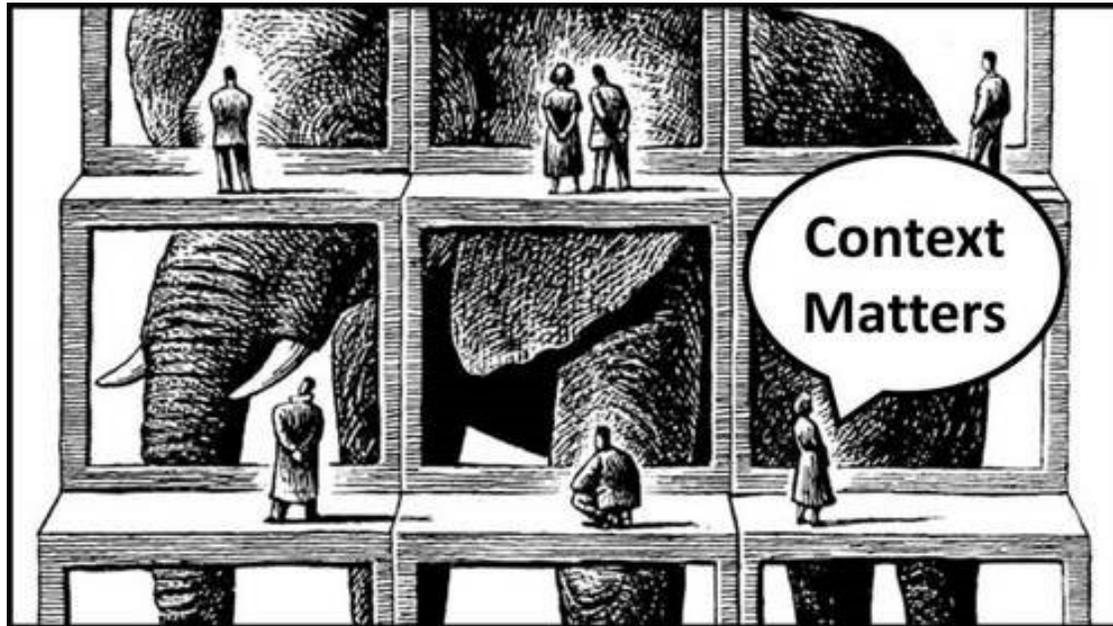
The need for contextualization...

Cultural data are fragmentary, partial, biased

Scholars and cultural heritage professionals have to be able to correlate different data sources, to better investigate the articulation of historical phenomena and of the transformation processes that affected human history and culture

Digital Cultural Resources have to be analyzed together with all contextual information needed to answer research questions, such as:

- (cultural, social, economic, technological...) production context of a document/object
- contextual associations at different levels and scales (spatial, temporal, functional, etc.)



...within a Digital Library Management System

To move such an approach from theory to practice we need infrastructures and tools for integration, analysis and storage of digital data and resources.

Today most of the digital cultural resources and data are in the Digital Libraries or Repositories

Digital Libraries and Repositories should provide tools for:

- modeling, visualising and analysing information, both in a qualitative and quantitative way, as well as collaboratively working on it
- highlighting the relationships between data at different scales and the network of contextual relations in which historical sources are involved

to enter the daily workflow of historians, archaeologists and humanities scholars.

DSpace-GLAM

(Galleries, Libraries, Archives, Museums)



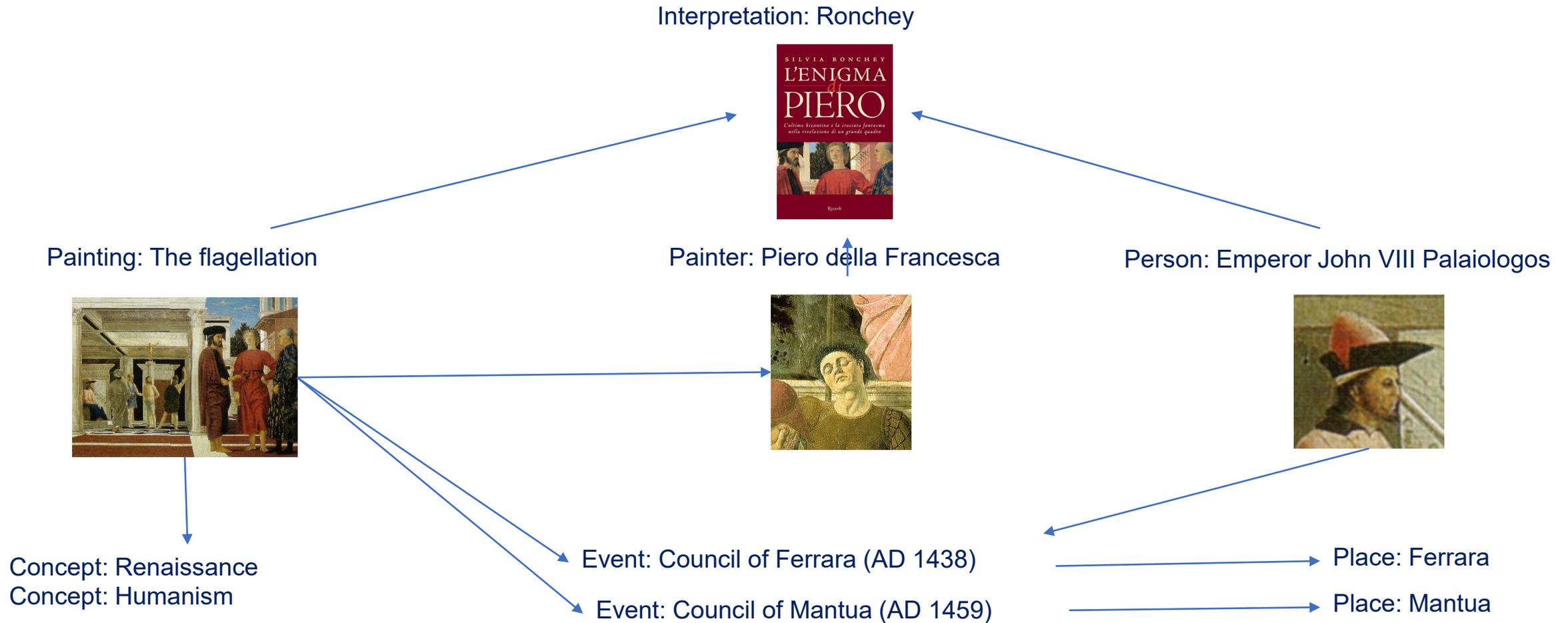
DSpace-GLAM is a Digital Library Management System built by 4Science to meet the needs of Cultural Heritage institutions

Build on top of DSpace (the most used open source Digital Asset Management System in the world) and adopted by important cultural European institutions

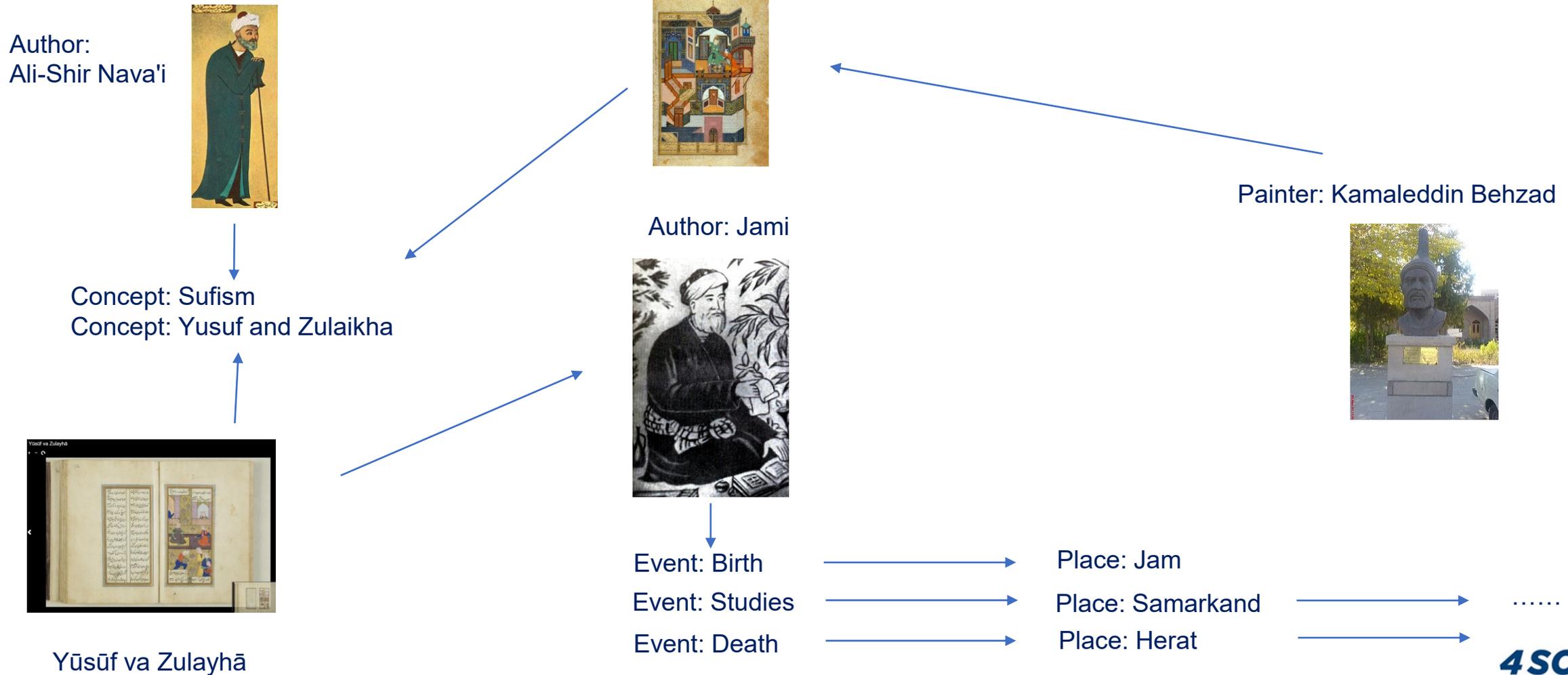
Provides a flexible and extensible data model to manage relevant metadata standards and specific conceptual models and to contextualize digital cultural heritage.

With dedicated add-ons for digital objects curation, fruition and sharing and for datasets visualization

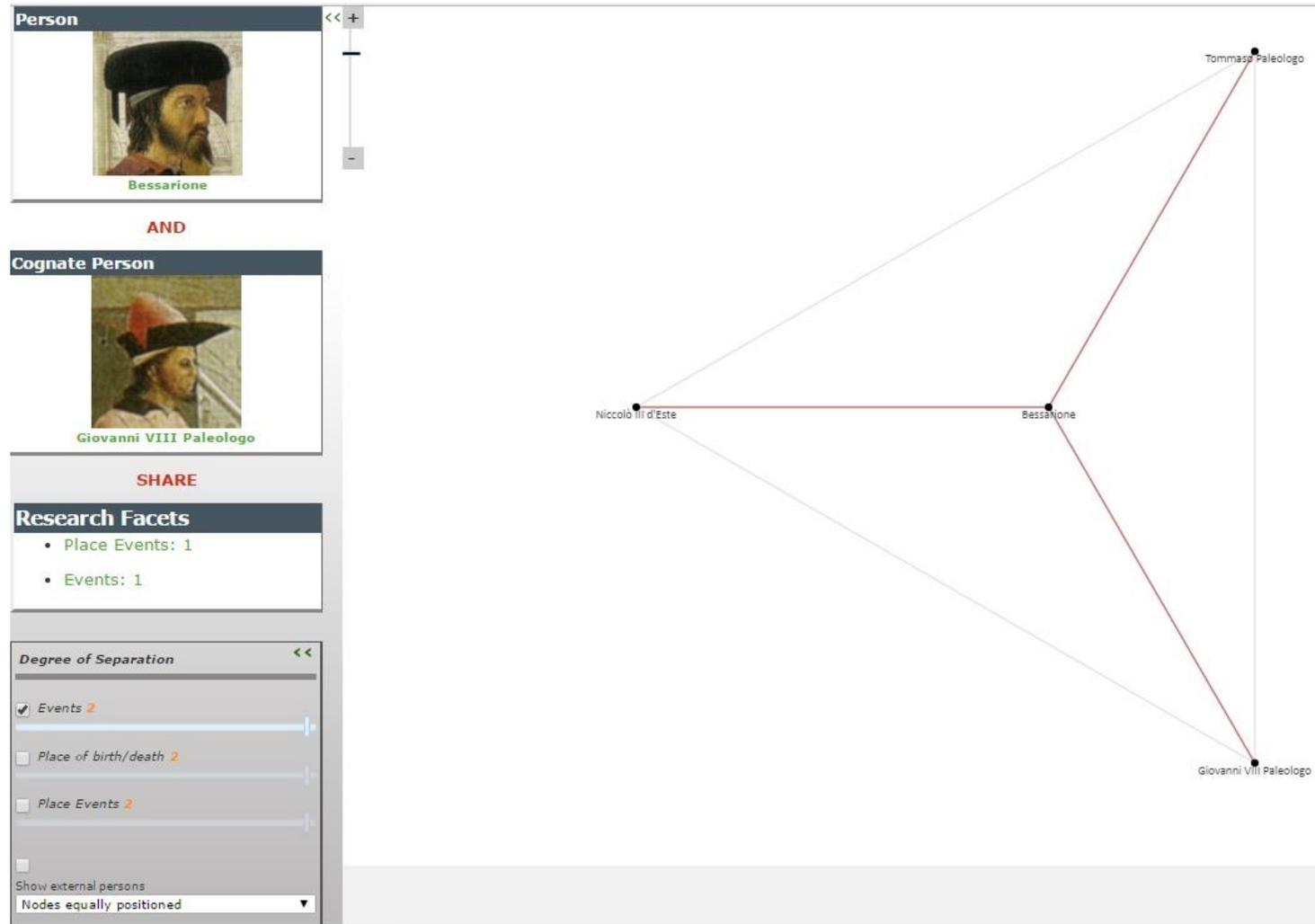
Exploiting the extensible the Data Model



Exploiting the extensible the Data Model

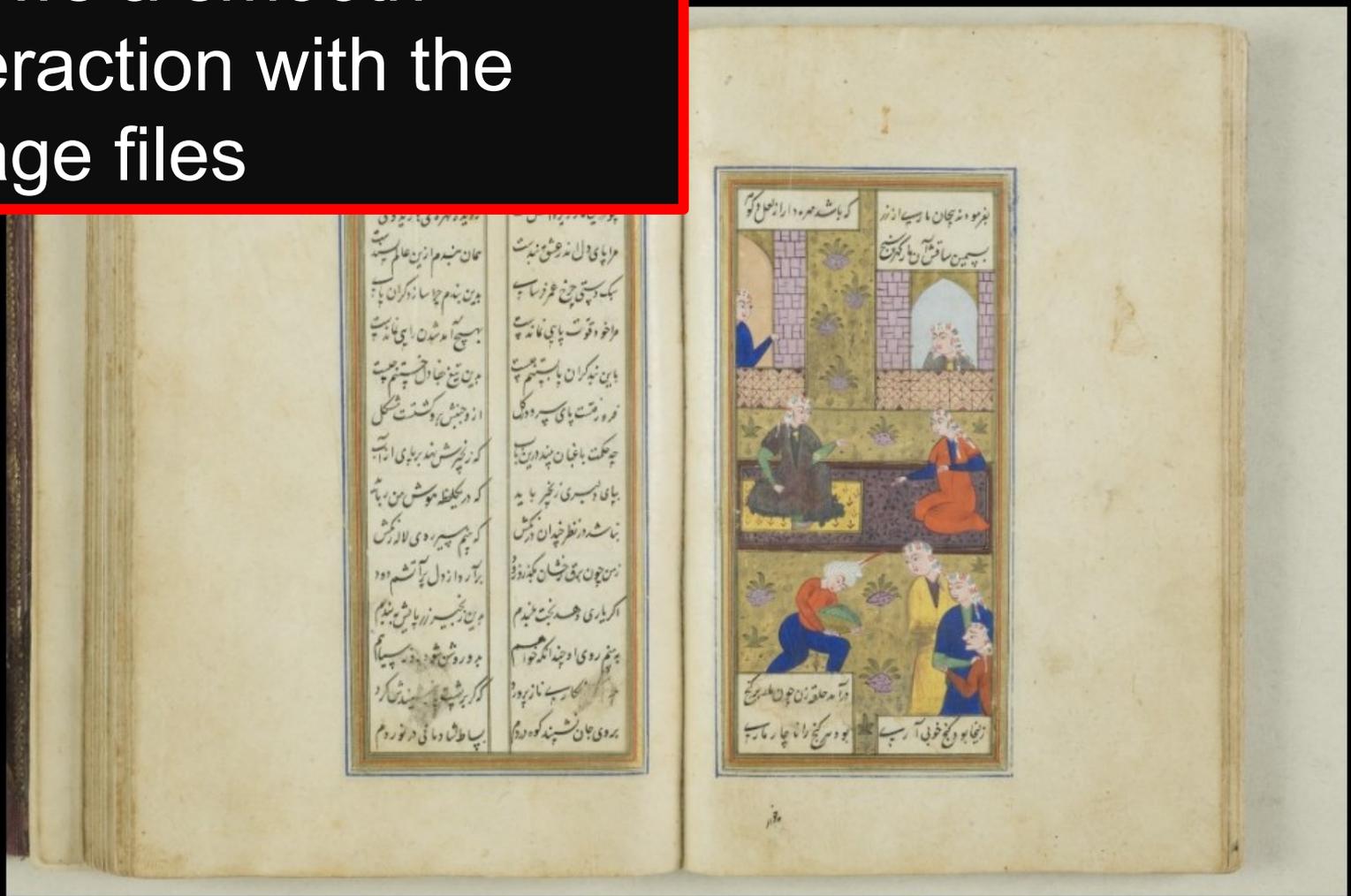
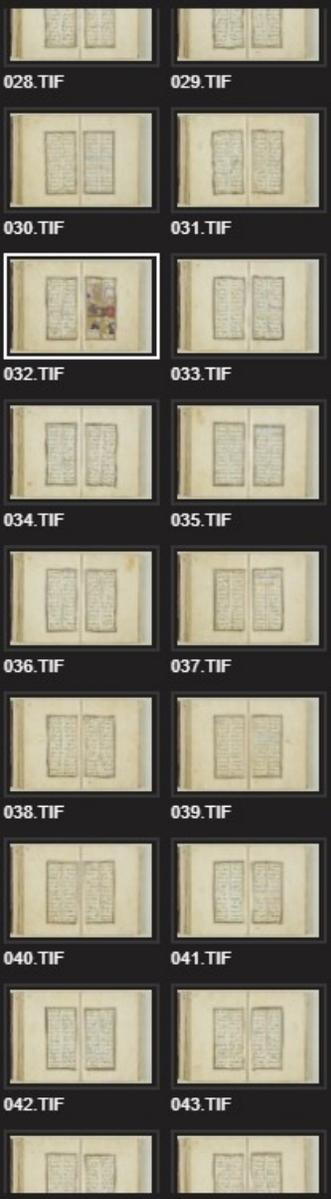


Visualizing relationships between historical figures



IIF Image Viewer allows a smooth interaction with the image files

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MORE INFORMATION

About the item

Title
Yūsūf va Zulayhā

Authors
'Abd al-Rahmān Jāmī

Description
Manoscritto safavide con sette miniature a piena pagina. Lo stile in miniatura rivela l'influenza della scuola di Shiraz nella... MORE

URI
<http://hdl.handle.net/20.500.12113/4707>

Other Identifiers
BNN Ms. III.F.22

Rights
Biblioteca Nazionale di Napoli

Page

File format

TIFF

Mime-type

image/tiff

Image height (px)

2832

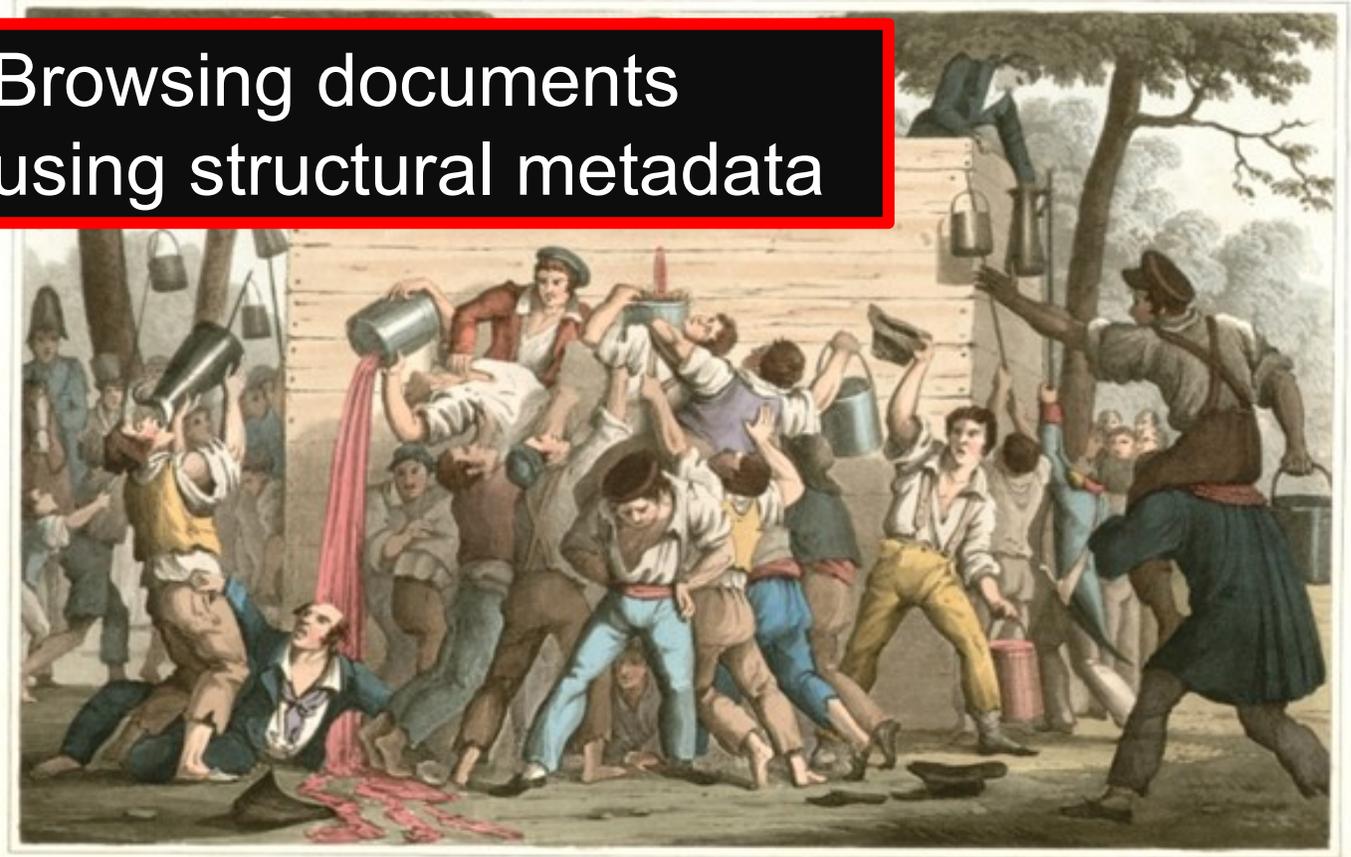
Image width (px)

4256

Index Thumbnails

- ☑ p. 2
- ☑ Distribution of Wine on the Morning of St. Louis
- ☑ tav.: The Voitures of Versailles
- ☑ The Voitures of Versailles
- ☑ tav.: The Blind Man of the Bridge of Arts
- ☑ The Blind Man of the Pont des Arts
- ☑ tav.: Dancers on Stilts in the Champs-Elysees
- ☑ Dancers on Stilts in the Champs-Elysees
- ☑ tav.: Office of Nurses
- ☑ Office of Nurses
- ☑ tav.: Porters and Fisherwomen revelling round the Statue of Henry IV
- ☑ p. 17
- ☑ Porters and Fisherwomen revelling round the Statue of Henry IV
- ☑ p. 18
- ☑ p. 19
- ☑ tav.: Interior of a Swimming School
- ☑ Interior of a Swimming School
- ☑ tav.: Parisians reading the Public Prints in the Garden of the Tuilleries
- ☑ Parisians reading the Public Prints in the Garden of the Tuilleries
- ☑ tav.: The Catacombs
- ☑ The Catacombs
- ☑ tav.: The Chamber of Deputies
- ☑ The Chamber of Deputies
- ☑ tav.: Parisian Street Characters
- ☑ Parisian Street Characters

Browsing documents using structural metadata



Distribution of Wine on the Morning of St. Louis.

IIIF Image Viewer: share and reuse

Filter objects:

Add new object from URL:

	Yūsūf va Zulayhā (Added from URL) 157 items	
	Vat.lat.3225 Vatican Library 162 items	
	Catholic Church. Heures de Nôtre Dame (use of Troyes and Sens) : manuscript, [ca. 1470]. MS Richardson 7. Houghton Library, Harvard University, Cambridge, Harvard University 480 items	
	Edwards, Richard. Analytical sixth reader :containing an introductory article on the general principles of elocution, with a thorough method of analysis, Harvard University 508 items	
	[sine loco], codices restituti, Cod. 2 (Frowinus dispersus) e-codices 403 items	
	Peter Gracilis - British Royal MS 10 A I Wellcome Library 474 items	

Share images with other scholars/users without waiving proper attribution, e.g. using the «manifest» JSON file:

<https://dl.bnnonline.it/json/iiif/20.500.12113/4707/22003/manifest>

in another IIIF Image Viewer:
<http://projectmirador.org/demo/>

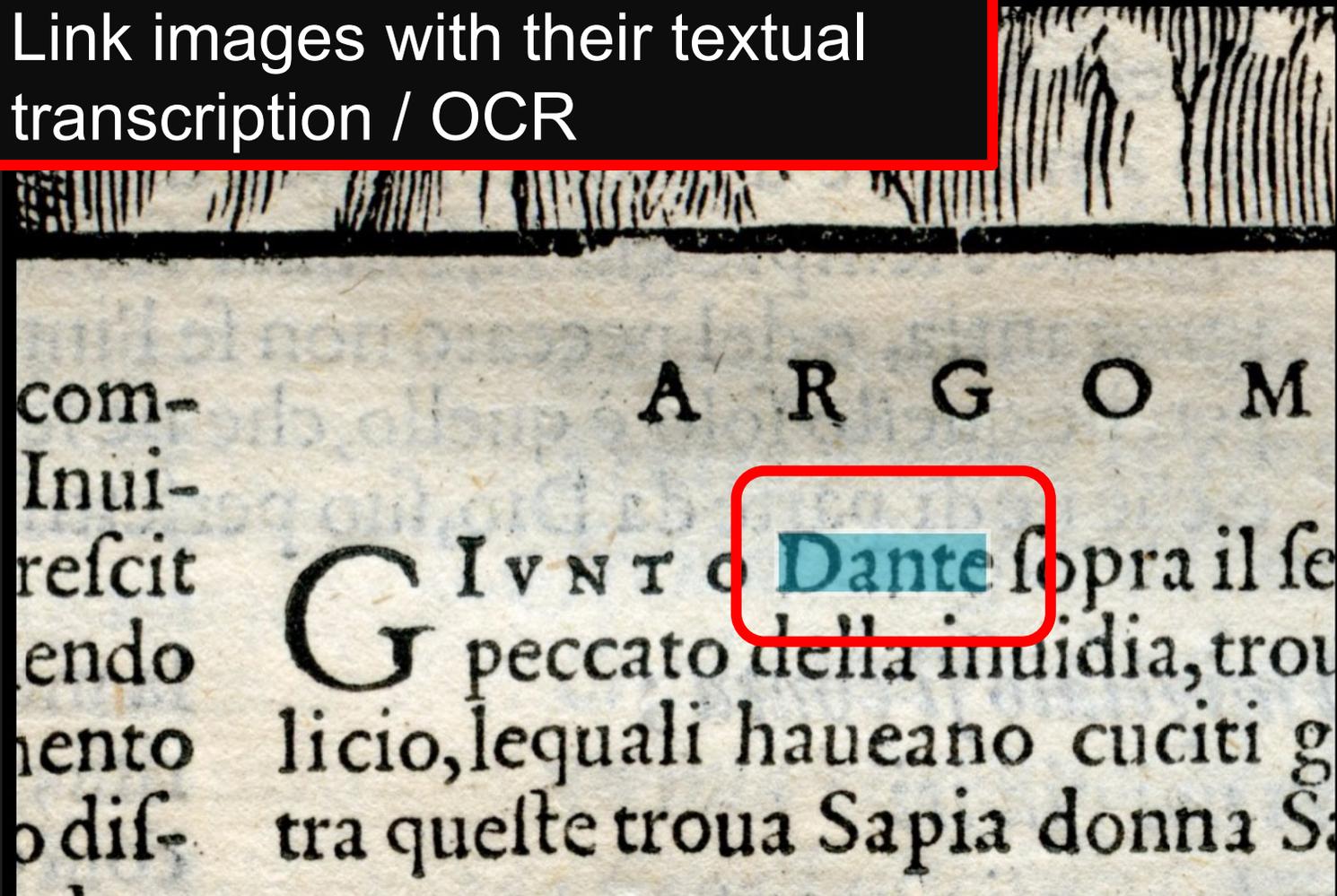
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<< Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra...

Index Thumbnails

- Indice
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- Canto II
- Canto III
- Canto IV
- Canto V
- Canto VI
- Canto VII
- Canto VIII

Link images with their textual transcription / OCR



>> MORE INFORMATION

About the item

Title

Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra la sua Comedia

Other Titles

Divina Commedia

Authors

Dante Alighieri
Christoforo Landino
Alessandro Vellutello

Issue Date

1578

Publisher

Appresso Giovambatista (In Venetia)

Type

Book

Related Event

Visualizing and analysing datasets

DSpace-GLAM

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Grid Graph Map 497 records « 1 - 0 » Search data ... Go » Filters Fields

Latitude / Longitude fields
GeoJSON field

Latitude field
LAT

Longitude field
LON

Update

Auto zoom to features
 Cluster markers

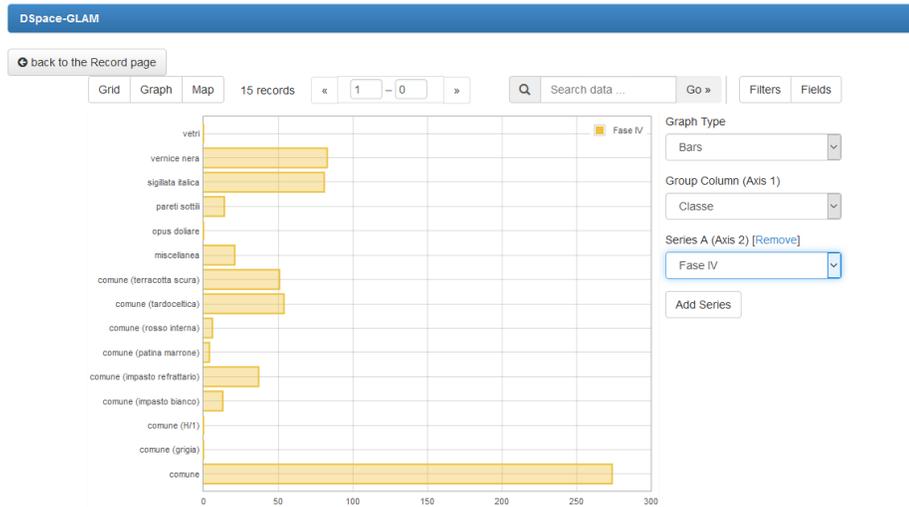
Archaeological finds geolocalization

Dspace-GLAM is not only as a tool for management and preservation, but also for analysis

The integration with CKAN allows the visualization and analysis of datasets by means of grids, graphs or maps

Datasets can also be related to documents and other entities

Visualizing and analysing datasets



DSpace-GLAM

[back to the Record page](#)

Grid Graph Map 15 records « 1 - 0 » Search data ... Go » Filters Fields

_id	Classe	Fase I	Fase II	Fase III	Fase IV	Fase V	Fase VI	Fase VII
9	comune (terracotta scura)	0	0	0	51	234	58	129
2	comune (grigia)	0	0	0	0	11	21	15
3	comune (H/1)	0	0	0	0	83	9	13
4	comune (impasto bianco)	0	0	0	13	19	10	0
15	vetri	0	0	0	0	4	6	0
6	comune (patina marrone)	0	0	0	4	172	82	34
11	opus doliare	0	0	0	0	42	18	16
10	miscellanea	0	0	0	21	0	0	0
8	comune (tardocellica)	17	9	0	54	75	39	7
13	sigillata italica	17	10	0	81	317	251	47
7	comune (rosso interna)	21	9	0	6	14	10	0
5	comune (impasto refrattario)	21	14	0	37	90	18	0
12	pareti sottili	25	16	0	14	99	84	33
14	vernice nera	105	19	5	83	67	11	9
1	comune	428	109	0	274	1811	1236	467

Pottery distribution

Data Science in a Digital Humanities Framework

- DSpace-GLAM is a powerful extension of DSpace, free and open-source, downloadable at:
<https://wiki.lyrasis.org/display/DSPACECRIS/DSpace-CRIS+Home>
- The goal of DSpace-GLAM is to provide an environment for integrating the traditional hermeneutic and interpretative work of historical sciences with data visualization and analysis
- In this way, we hope, there may be a fundamental change in the way digital cultural heritage is experienced and analysed

Thank you for your attention

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