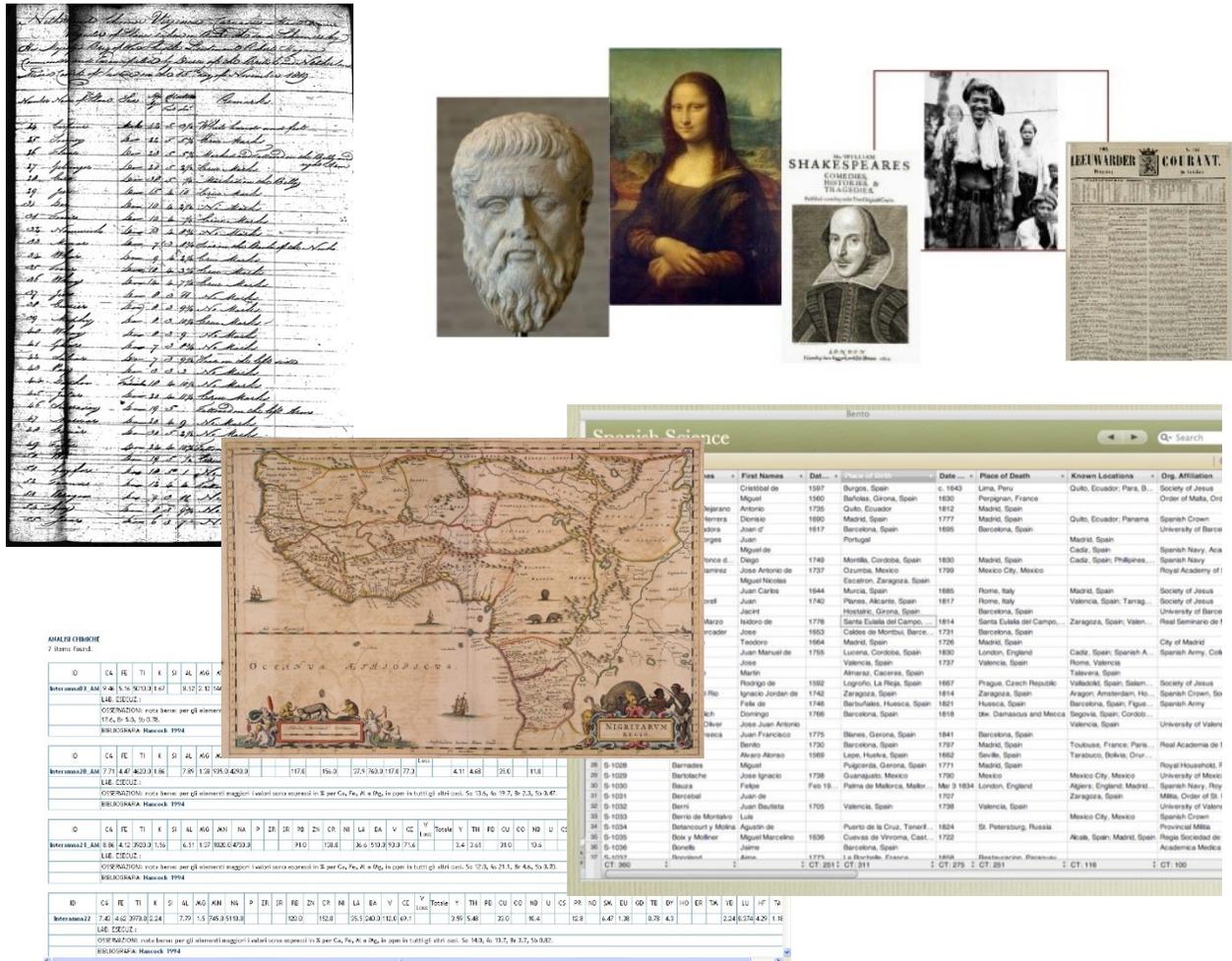# Contextualizing Cultural Heritage in a Digital Library Environment with DSpace-GLAM

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 Cutural 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.)

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Share your knowledge
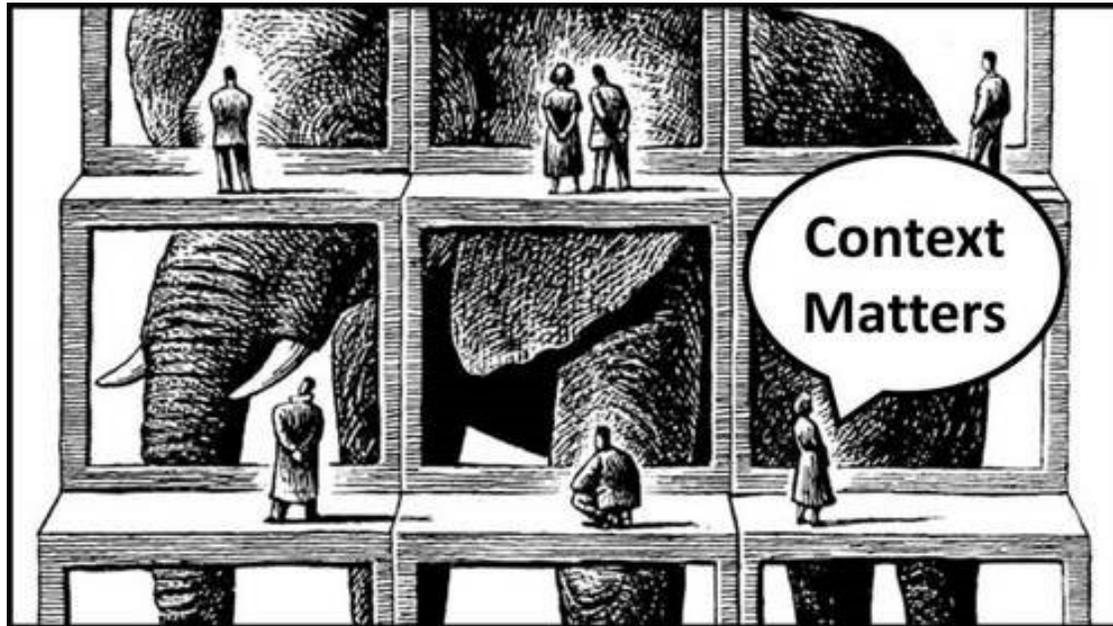
…within a Digital Library Management System

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, <u>both in a qualitative and quantitative way</u>, as well as <u>collaboratively</u> 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
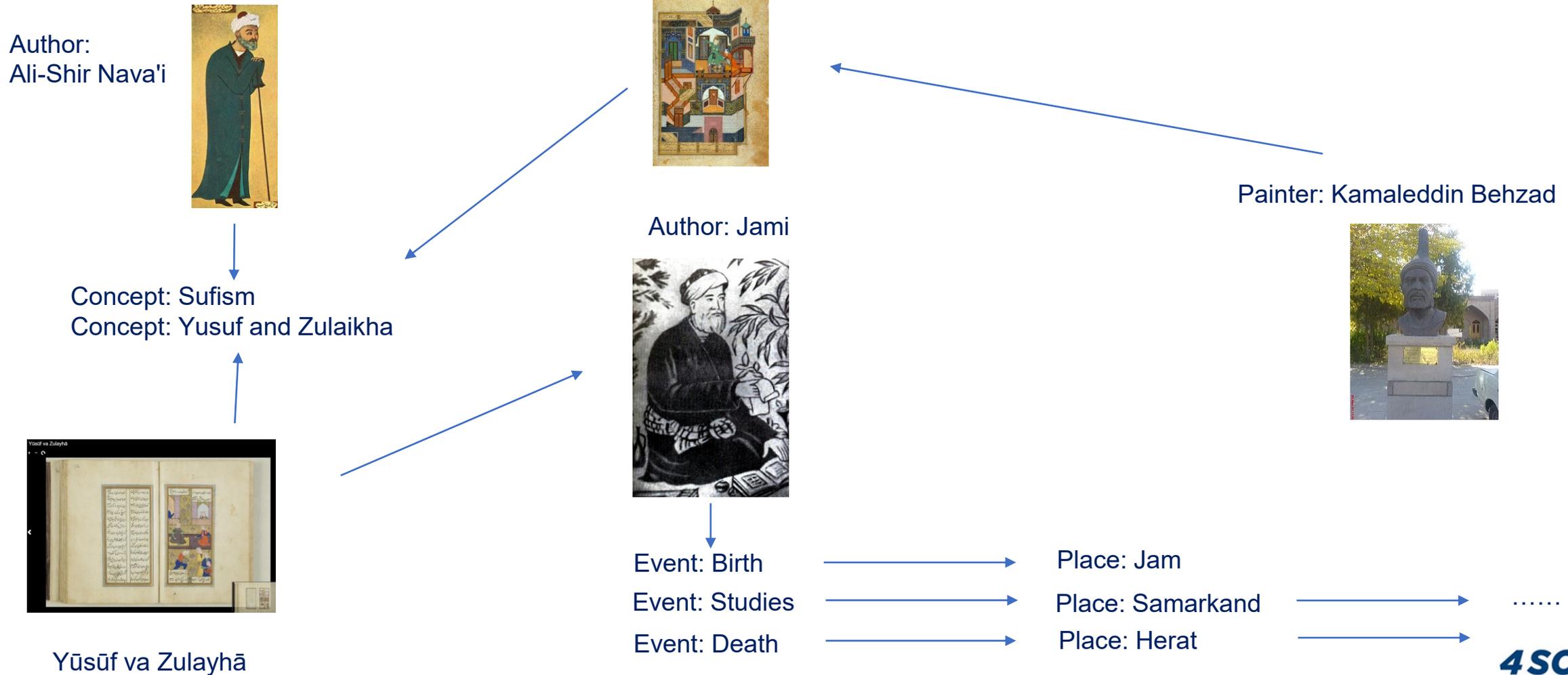
Provides a flexible and extensible data model to manage relevant metadata standards and specific conceptual models and to contextualize digital cultural heritage.

With dedicated add-ons for digital objects curation, fruition and sharing and for datasets visualization
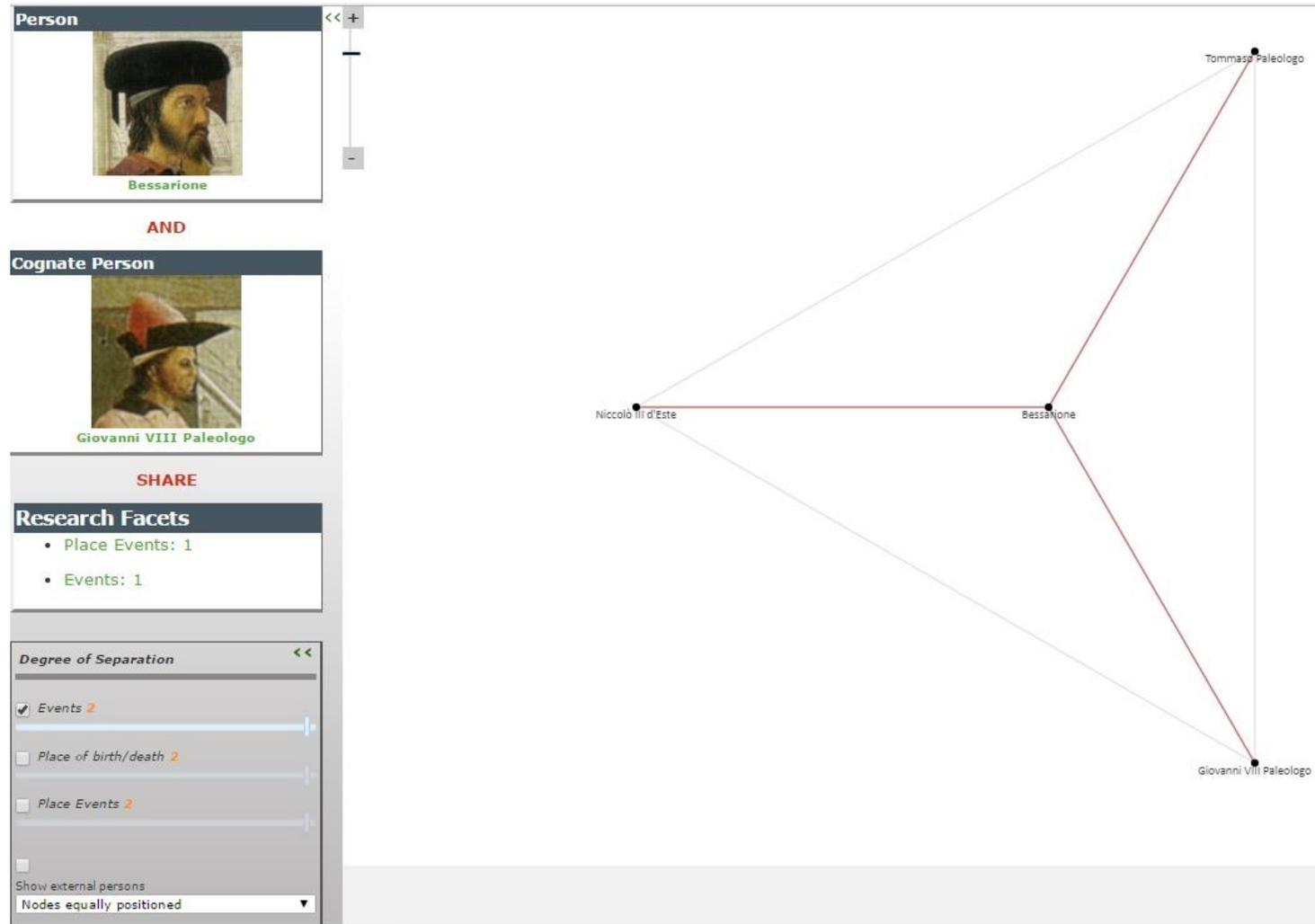
Exploiting the extensible the Data Model
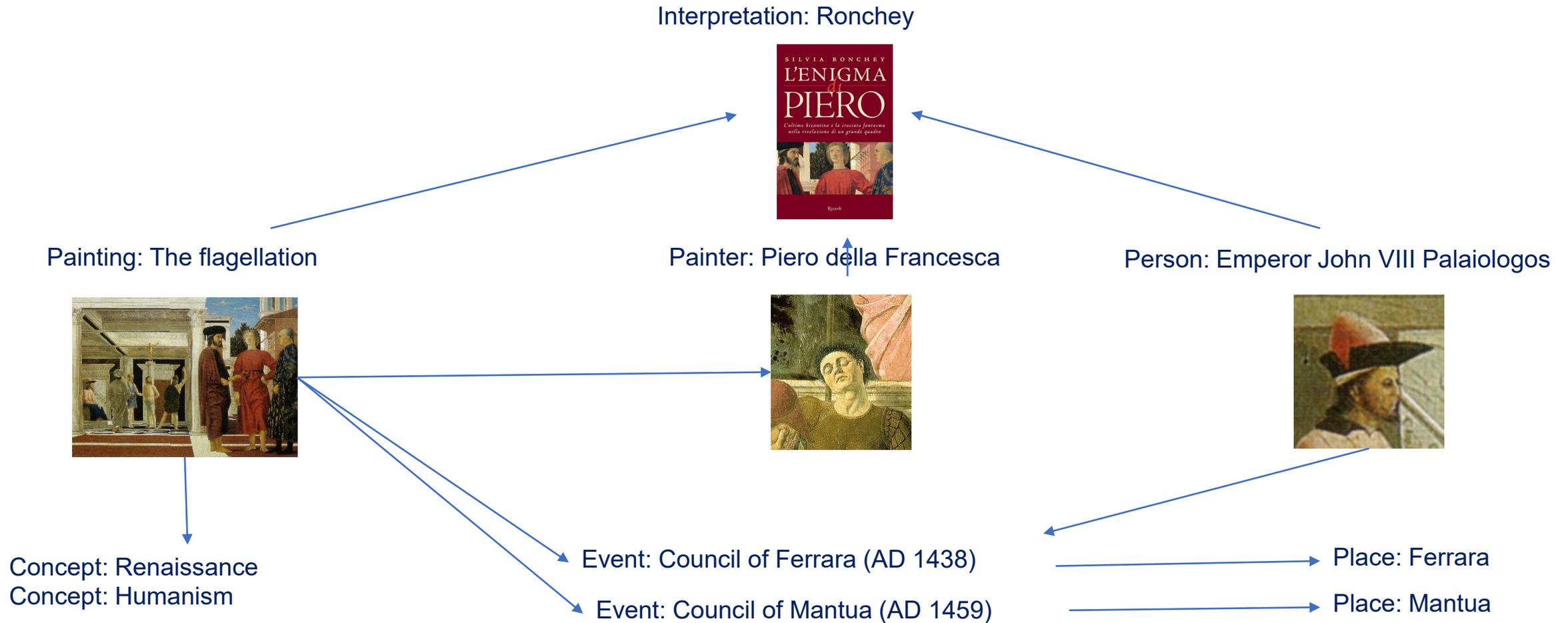
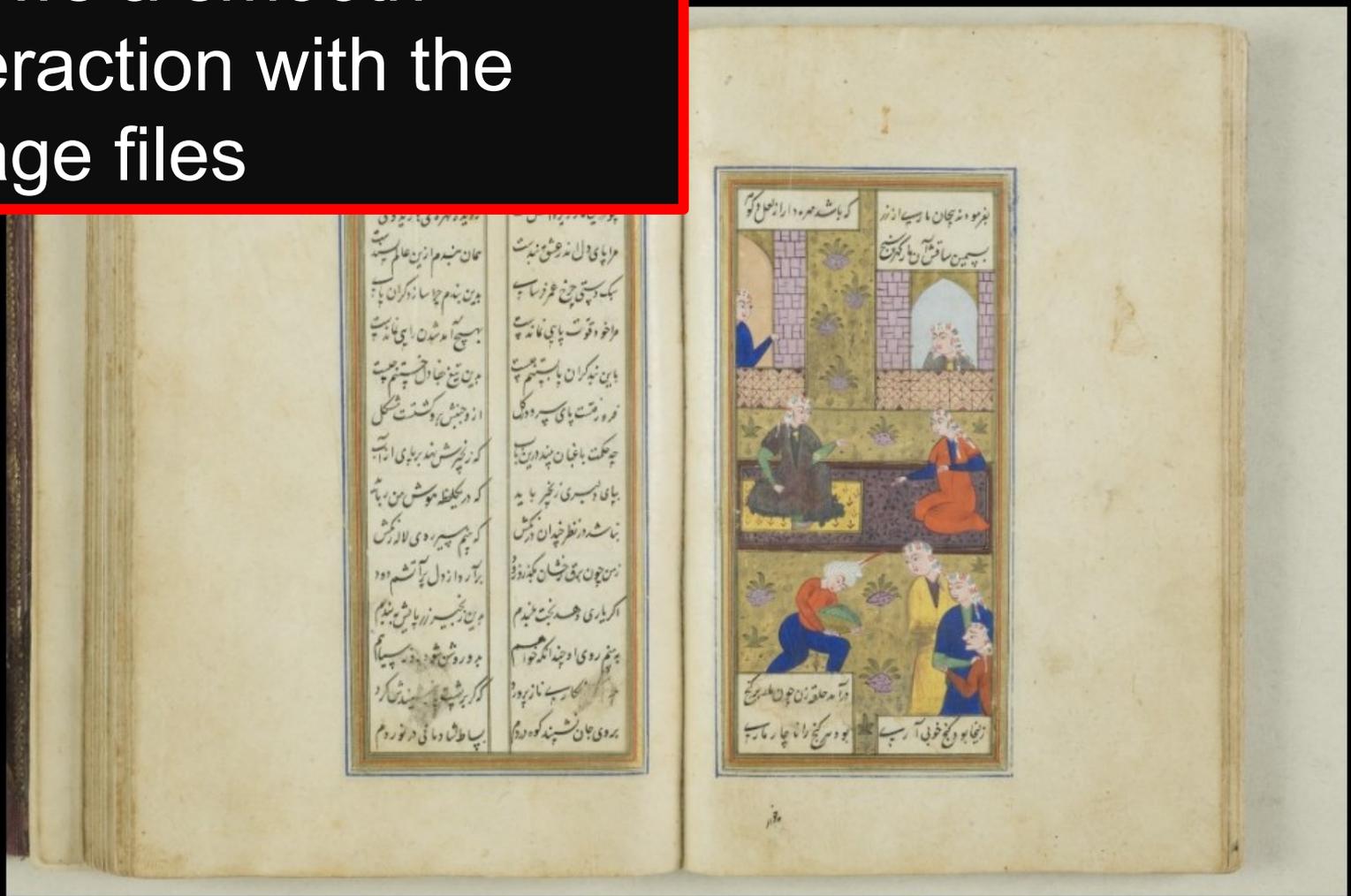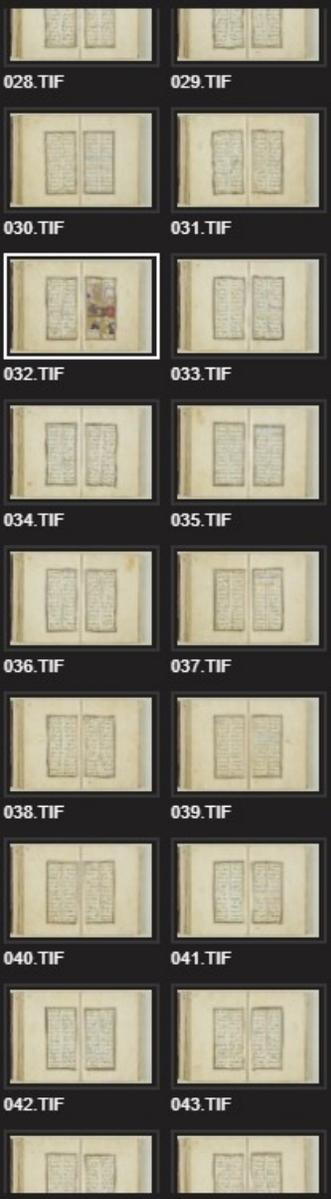# Exploiting the extensible the Data Model

Visualizing relationships between historical figures

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036.TIF 037.TIF
038.TIF 039.TIF
040.TIF 041.TIF
042.TIF 043.TIF

IIIF Image Viewer allows a smooth interaction with the image files

>> 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

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File format

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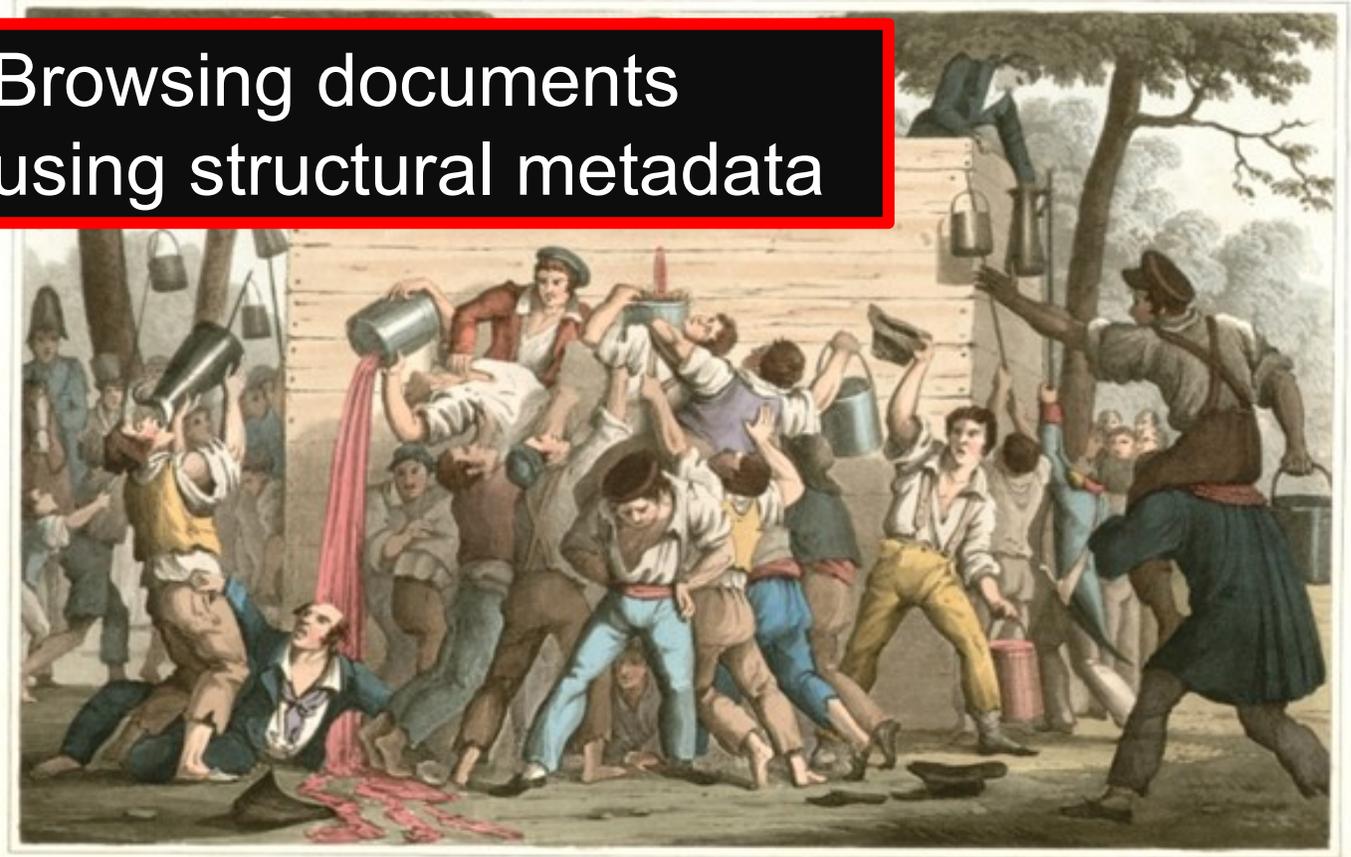
Mime-type

image/tiff

Image height (px)

2832

Image width (px)

4256

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A Tour through Paris, illustrated with twenty-one coloured plates, accompanied with descriptive letter-press

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Browsing documents using structural metadata

Distribution of Wine on the Morning of S.t Louis.

IIIF Image Viewer: share and reuse

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

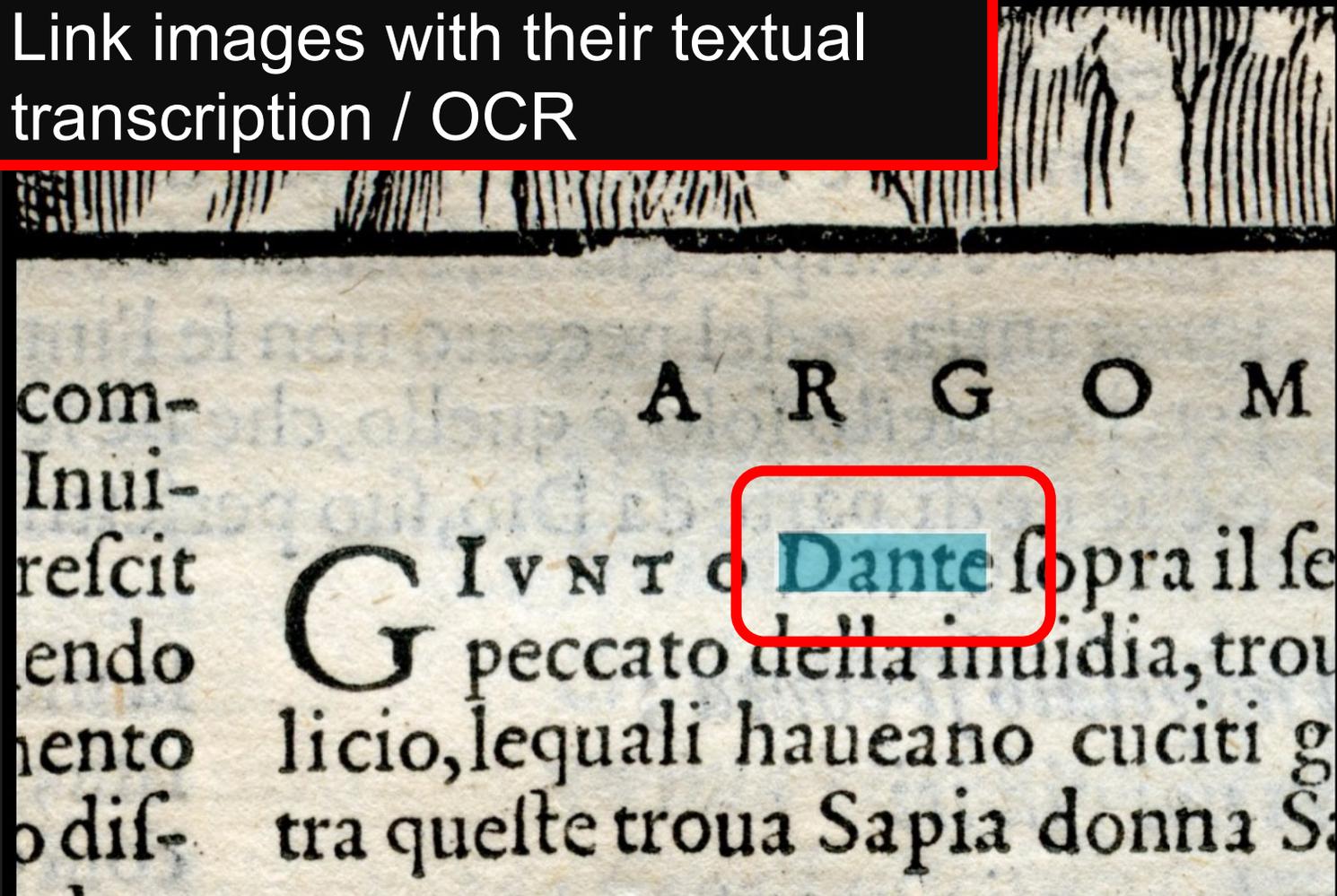https://dl.bnnonline.it/json/iiif/20.500.12113/4707/22003/manifest

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

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Link images with their textual transcription / OCR

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- Canto IV
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- Canto VI
- Canto VII
- Canto VIII

Dante con l'espositioni di Christoforo Landino et d'Alessandro Vellutello sopra…

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MORE INFORMATION

About the item

Title

Dante con l'espositioni 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

page Dante007.tif of -

◀ Previous Result | 3 results found for 'Dante' Clear | Next Result ▶

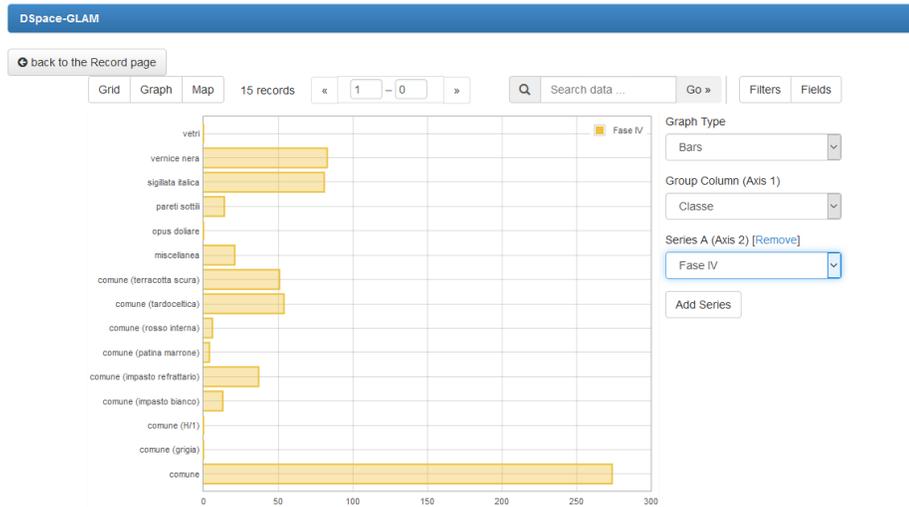# Visualizing and analysing datasets

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

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

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Thank you for your attention

Claudio Cortese

<claudio.cortese@4science.it>

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