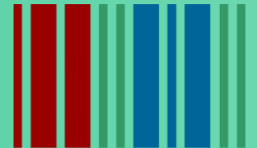
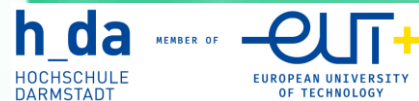


Fascinating with open data: openartbrowser.org

Wikidata for performing and visual arts

Prof. Dr. Bernhard G. Humm
Hochschule Darmstadt – University of Applied Sciences
Darmstadt, Germany



WIKIDATA

DATA RE-
14 - 24 March 2022
USE DAYS

Learning with joy about creative arts:

<https://openartbrowser.org>

open ArtBrowser

The Trial Of Queen Caroline 1820
Artwork
All Artworks >

Vincent Van Gogh
Artist
All Artists >

Impressionism
Movement
All Movements >

Print
Type
All Types >

Rijksmuseum
Location
All Locations >

Genre: Paris
Material
All Materials >

Landscape Art
Genre
All Genres >

Landscape
Motif
All Motifs >

900 1050 1200 1350 1500 1650 1800 1950 2100

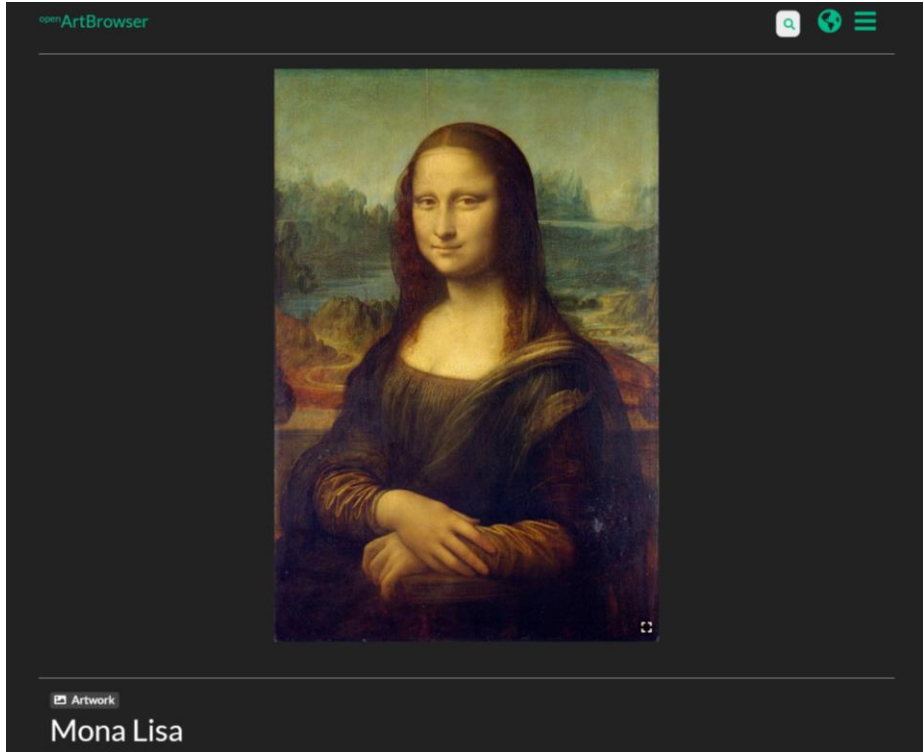
Romanesque Art Gothic Art Baroque Romanticism Expressionism
Renaissance Impressionism

1140 - 1530

POWERED BY WIKIDATA

Finding without searching

Multimedia: images, video, text, hyperlinks



The screenshot shows a Wikipedia article for the Mona Lisa. At the top, there is a "More" dropdown menu. Below it is a paragraph of text describing the painting. Underneath the text are two video thumbnails: "Leonardo, The Mona..." and "Renaissance - Overvi...". Below the videos are several metadata fields:

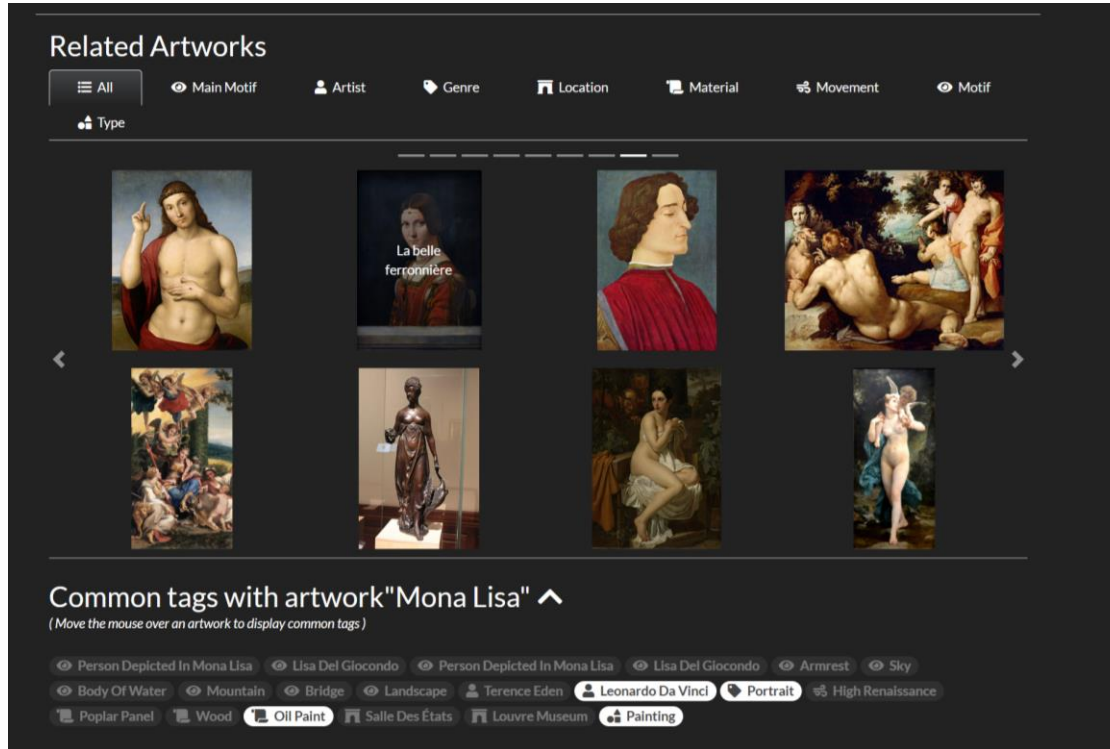
- Genre: **Portrait**
- Movement: **High Renaissance**
- Material: **Poplar Panel**, **Wood**, **Oil Paint**
- Type: **Painting**
- Main: **Person Depicted In Mona Lisa**, **Lisa Del Giocondo**
- Motifs: **Armrest**, **Sky**, **Body Of Water**, **Mountain**, **Bridge**, **Landscape**

Below these fields is the iconography: "[61BB2][Lisa del Giocondo]11 historical person (Lisa del Giocondo) - BB - woman - historical person (Lisa del Giocondo) portrayed alone". The dimension is listed as "77.0 x 53.0 cm".

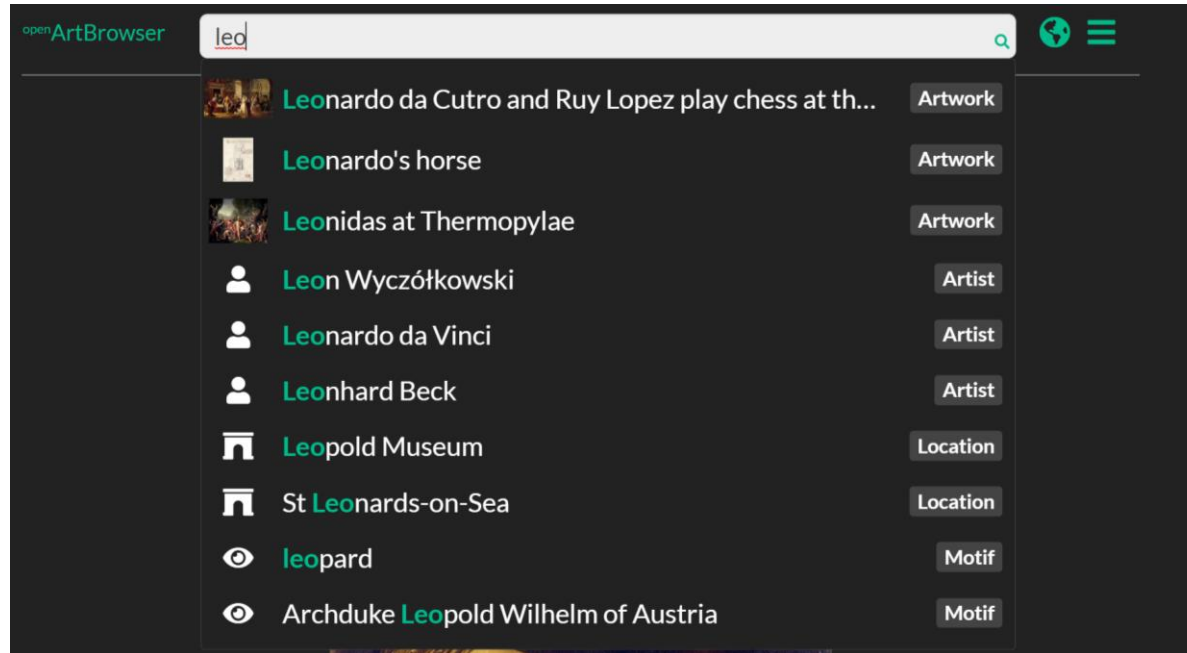
At the bottom, there is a table of events:

Year	Event
1519	Acquisition
1911 - 1913	Theft Of Mona Lisa
1963	Mona Lisa By Leonardo Da Vinci exhibition of the Mona Lisa at the National Gallery of Art, Washington D.C.
1963	The Mona Lisa By Leonardo Da Vinci exhibition of the Mona Lisa at the Metropolitan Museum of Art, New York City
1974	Mona Lisa Exhibition exhibition of the Mona Lisa at Tokyo National Museum, Japan

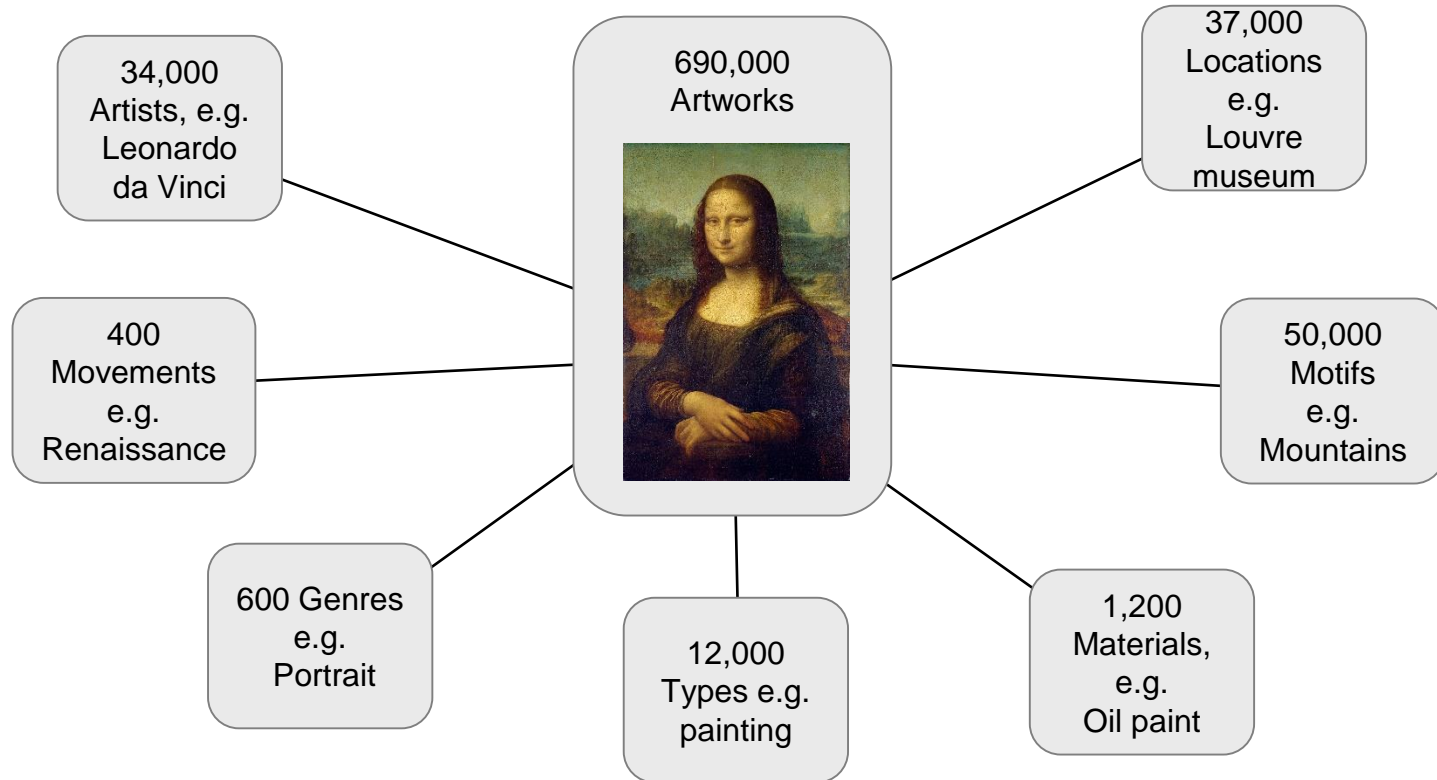
Related artworks: strolling through the virtual museum



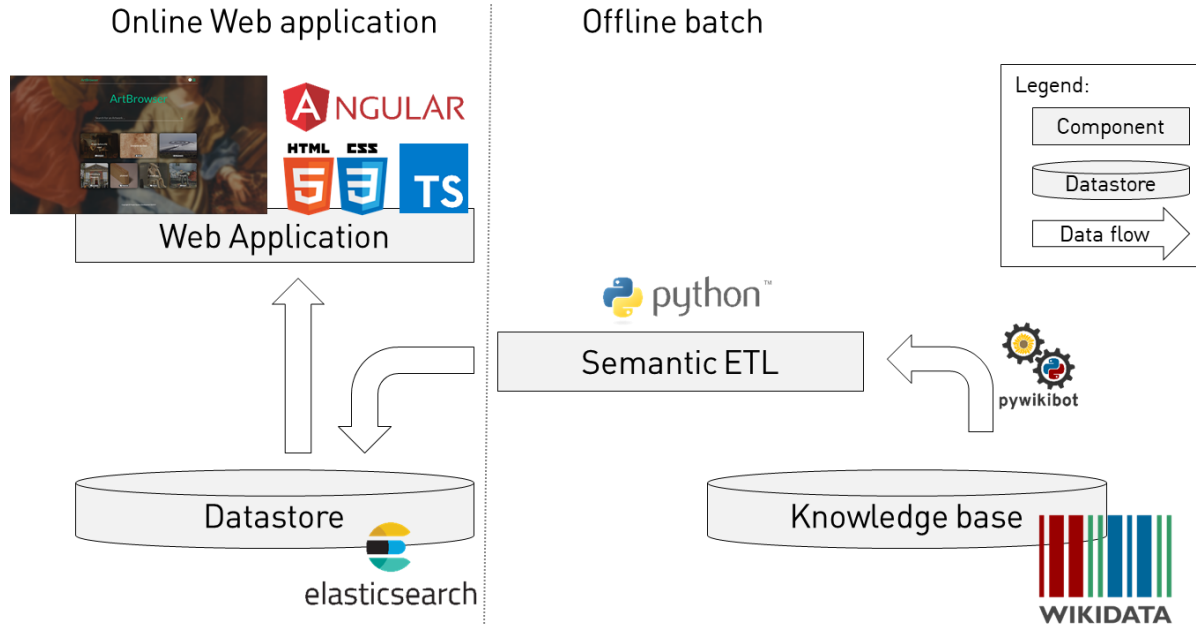
Semantic search



7 dimensions for exploring artworks



openArtBrowser software architecture

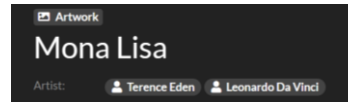


<https://github.com/hochschule-darmstadt/openartbrowser/>

Lessons learned

- Wikidata = rich data source
- Data quality:

- Individual errors



- Inconsistent understanding of genres, movements, types, motives
- Type hierarchy not usable
- Data access
 - Object access with pywikibot with performance problems -> chunk read
 - Desired: SPARQL bulk queries with pagination (+ documentation)