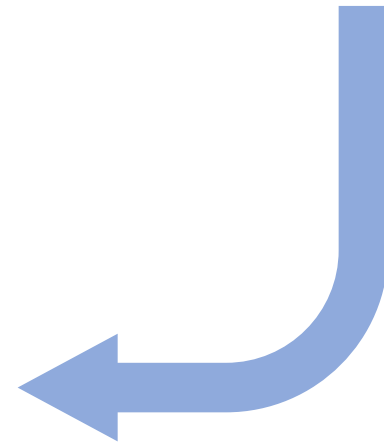


Linked Open Data for Digital Humanities



A new of Approach of Humanities



Let us start with an example...

National Library of France

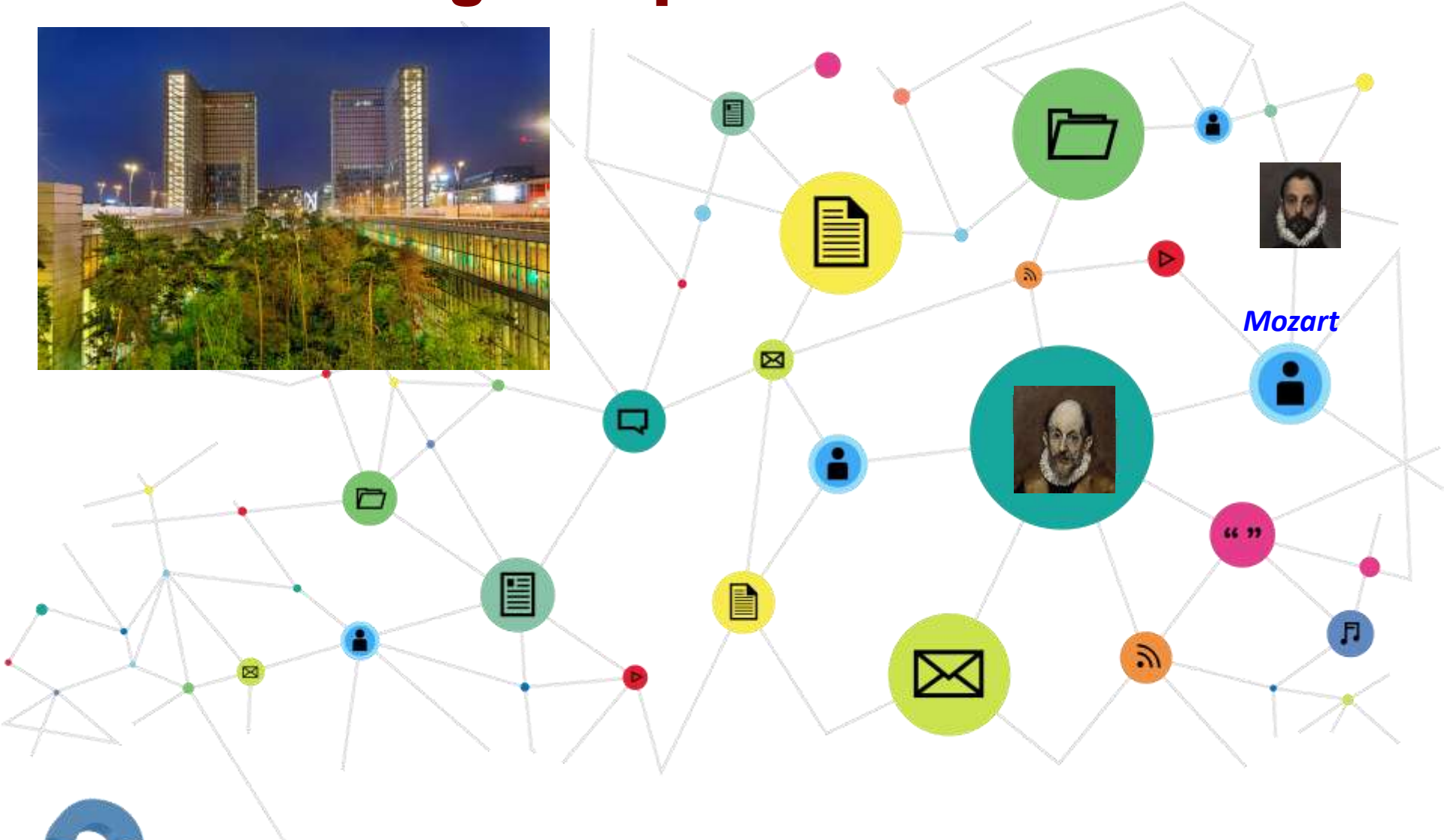
The image shows a screenshot of the National Library of France (BnF) website, overlaid on a photograph of the library's interior. The website's browser address bar shows <https://www.bnf.fr/fr> and a search bar with the text "Rechercher". The BnF logo is prominently displayed at the top of the page. The main content area features a large white banner with the text "BIBLIOTHÈQUE NATIONALE DE FRANCE" and "DÉCOUVREZ TOUTES SES RICHESSES". Below this banner is a purple button labeled "PARCOURIR LA MOSAÏQUE". The page is decorated with various images, including a book cover titled "LES PETITS PARIS", a globe, and a portrait of a woman. A sidebar on the left contains a menu icon and a search icon. The background of the entire image is a photograph of the library's interior, showing rows of wooden tables with blue cushions and small lamps, set under a grand, ornate dome with intricate architectural details.

Knowledge Graph

A **knowledge graph** is a **special kind of database** which stores **knowledge in a machine-readable form** and provides a means for information to be collected, organised, shared, searched and utilised.



BNF Knowledge Graph



I'm looking for visual representations of the painter *El Greco*

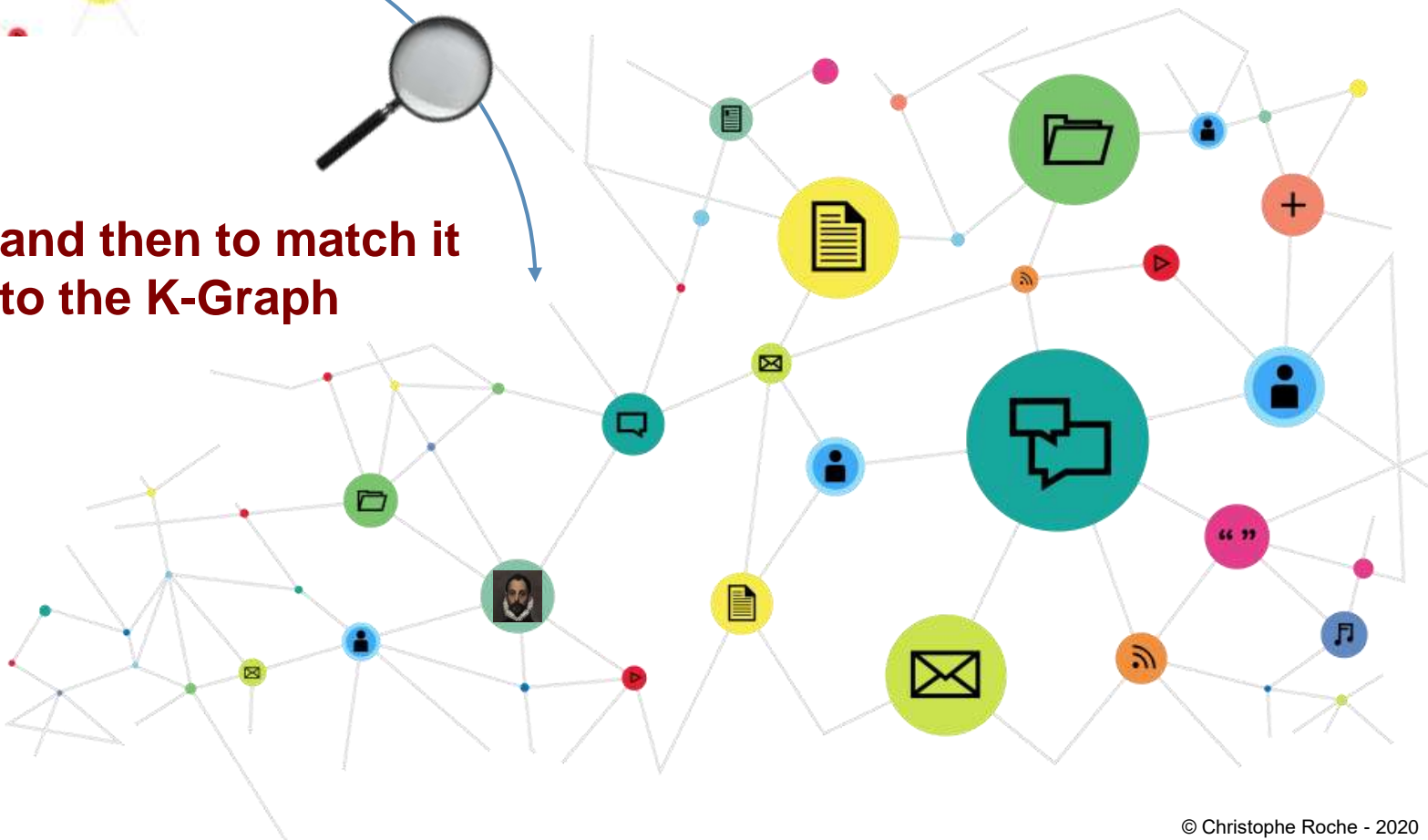
Querying a Knowledge Graph...



is first building a Query Graph...



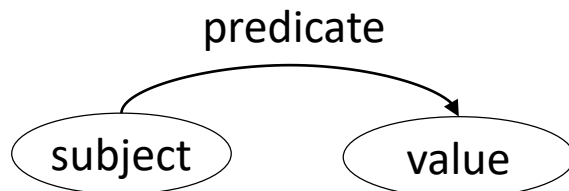
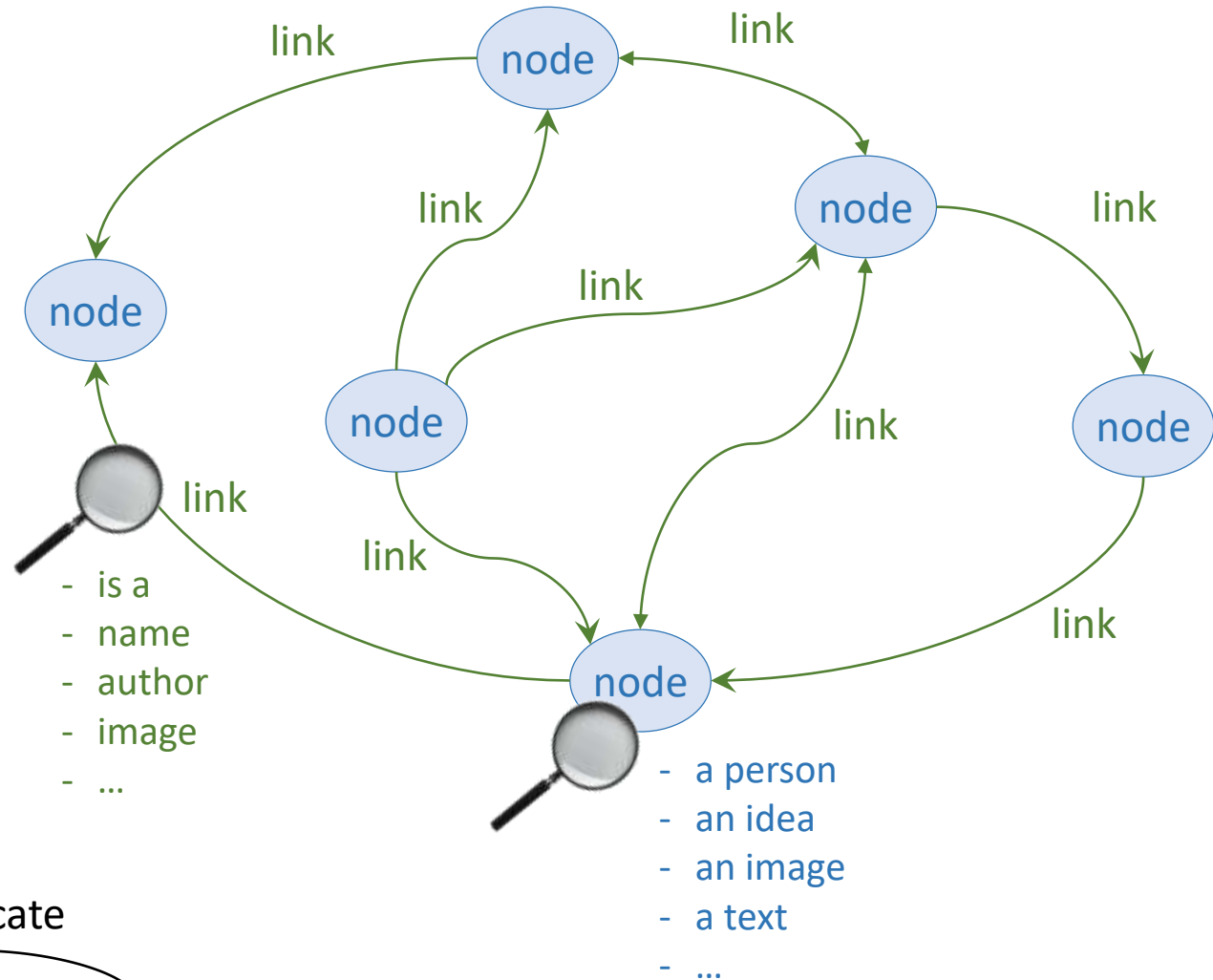
and then to match it to the K-Graph



Knowledge Graph?

a graph is composed of nodes and links

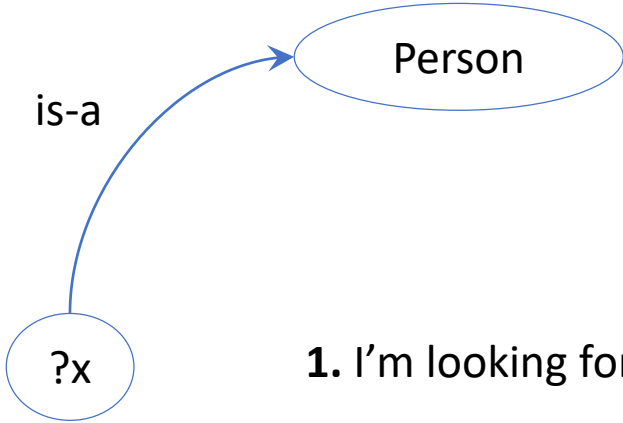
which represent domain knowledge



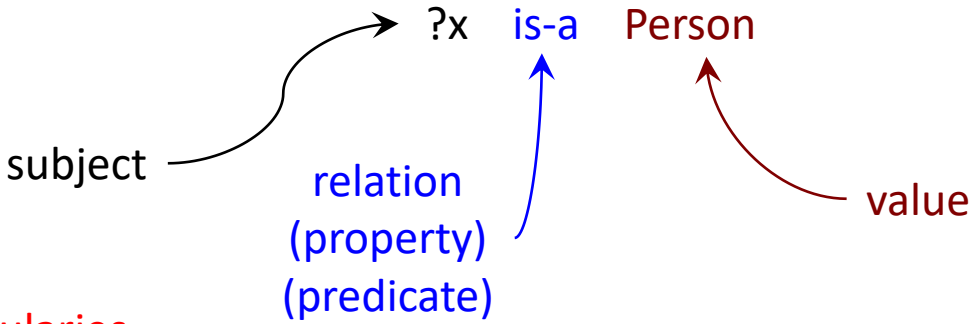
National Library of France



I'm looking for visual representations of the painter *El Greco (Le Greco)*



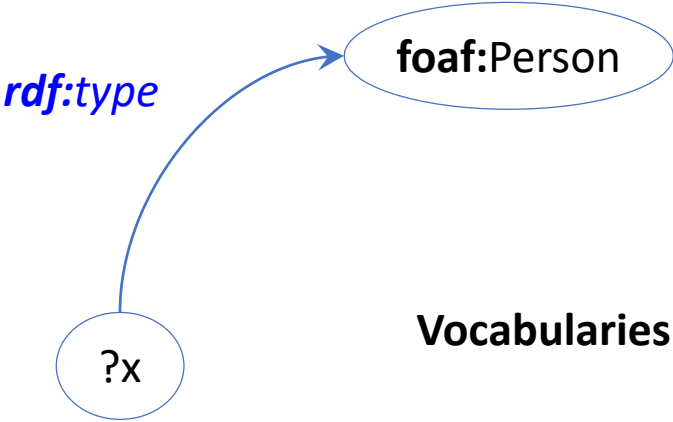
1. I'm looking for **resources** which are **persons**



Use standardized vocabularies

National Library of France

I'm looking for visual representations of the painter *El Greco (Le Greco)*

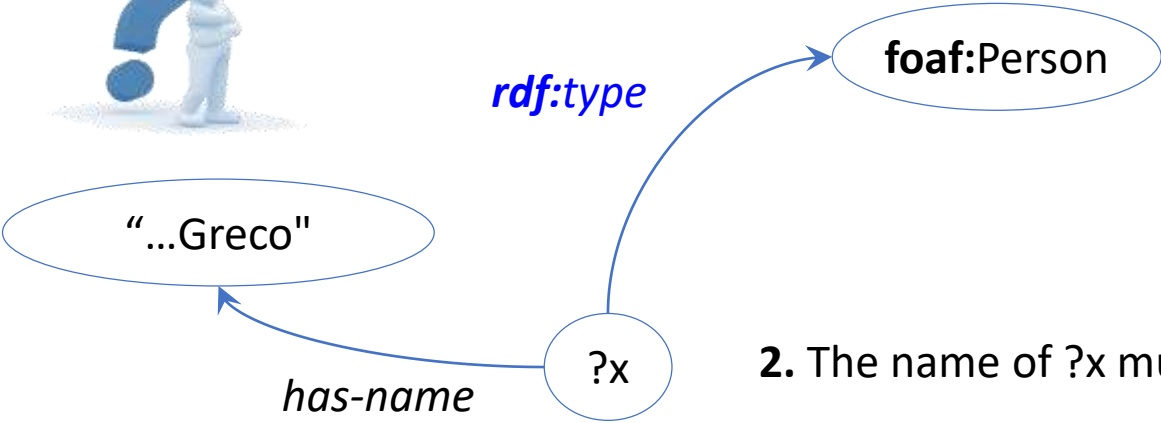


Vocabularies: - FOAF
- RDF

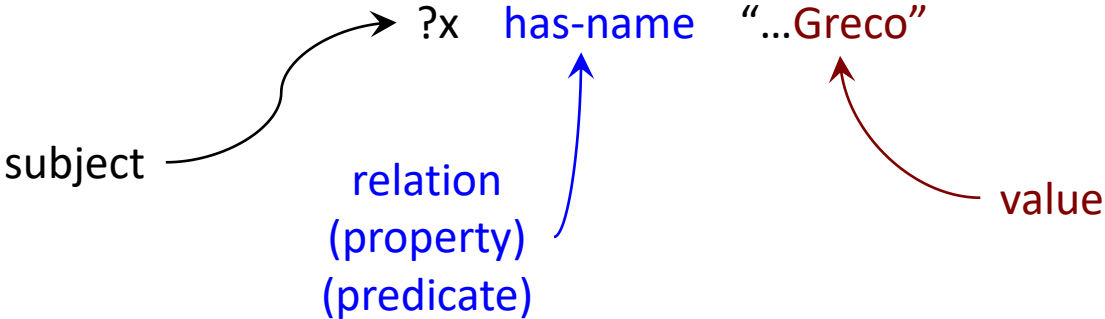
National Library of France



I'm looking for visual representations of the painter *El Greco (Le Greco)*



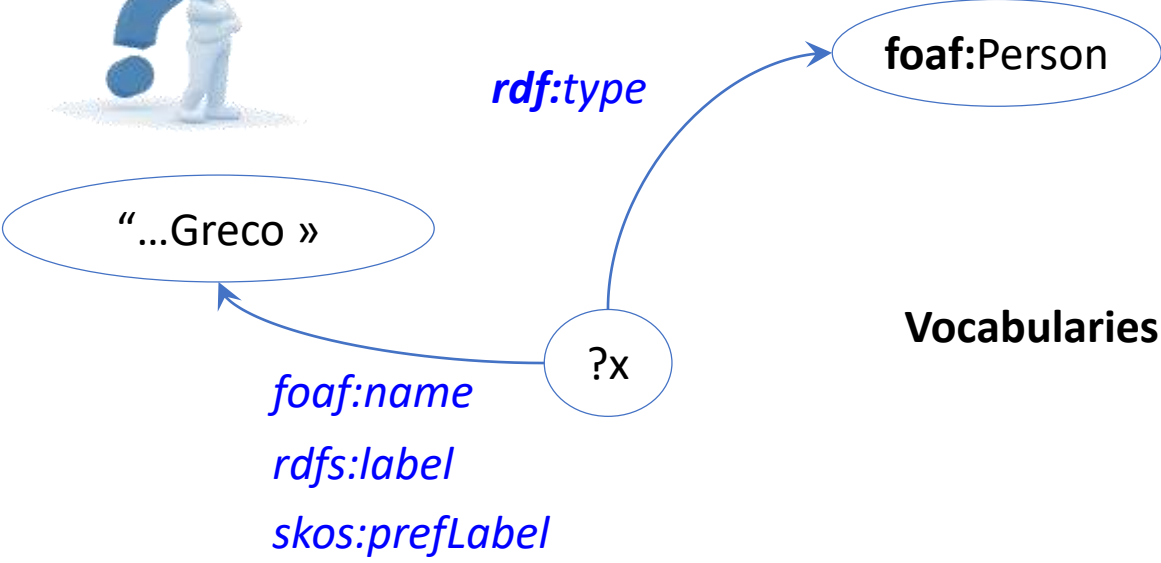
2. The name of ?x must be "Le Greco" or "El Greco"



National Library of France



I'm looking for visual representations of the painter *El Greco (Le Greco)*



- Vocabularies:**
- FOAF
 - RDF
 - RDFS
 - SKOS

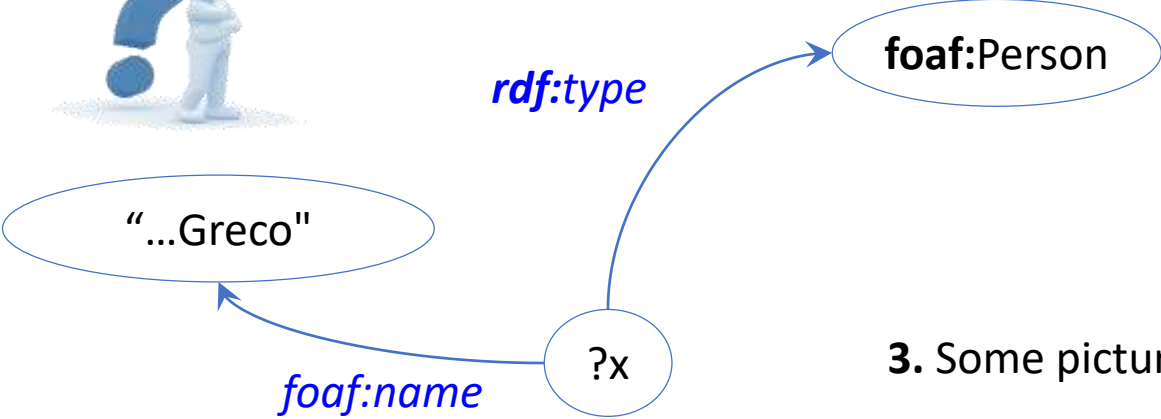


Use standardized vocabularies

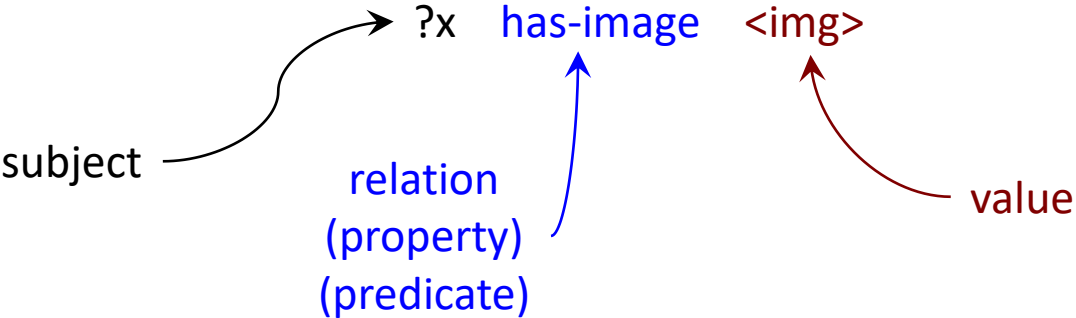
National Library of France



I'm looking for visual representations of the painter *El Greco (Le Greco)*



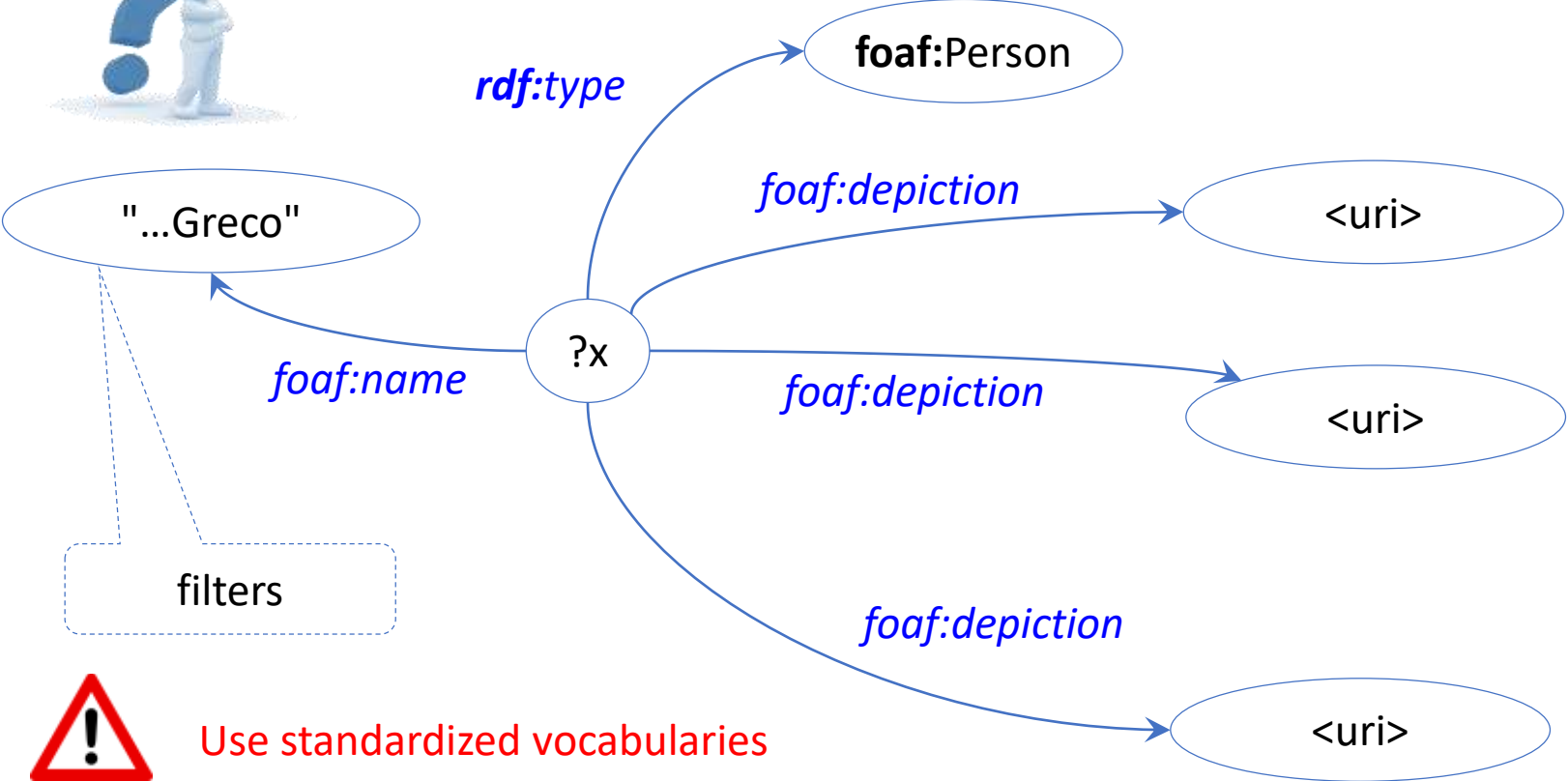
3. Some pictures are attached to ?x



National Library of France



I'm looking for visual representations of the painter *El Greco (Le Greco)*



Use standardized vocabularies

SPARQL Endpoint



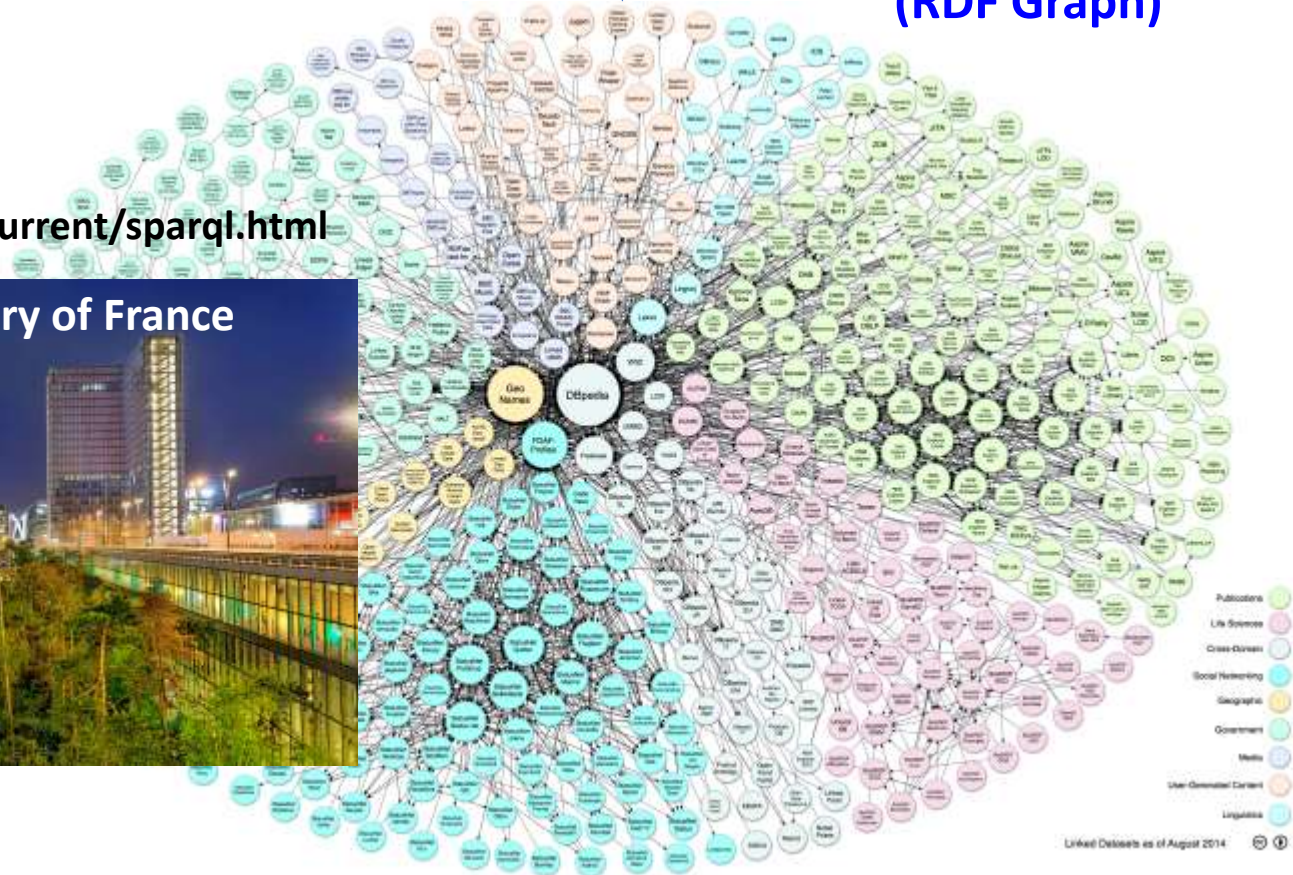
Access to the Knowledge Graph

SPARQL
Endpoint

Knowledge Graph
(RDF Graph)

<https://data.bnf.fr/current/sparql.html>

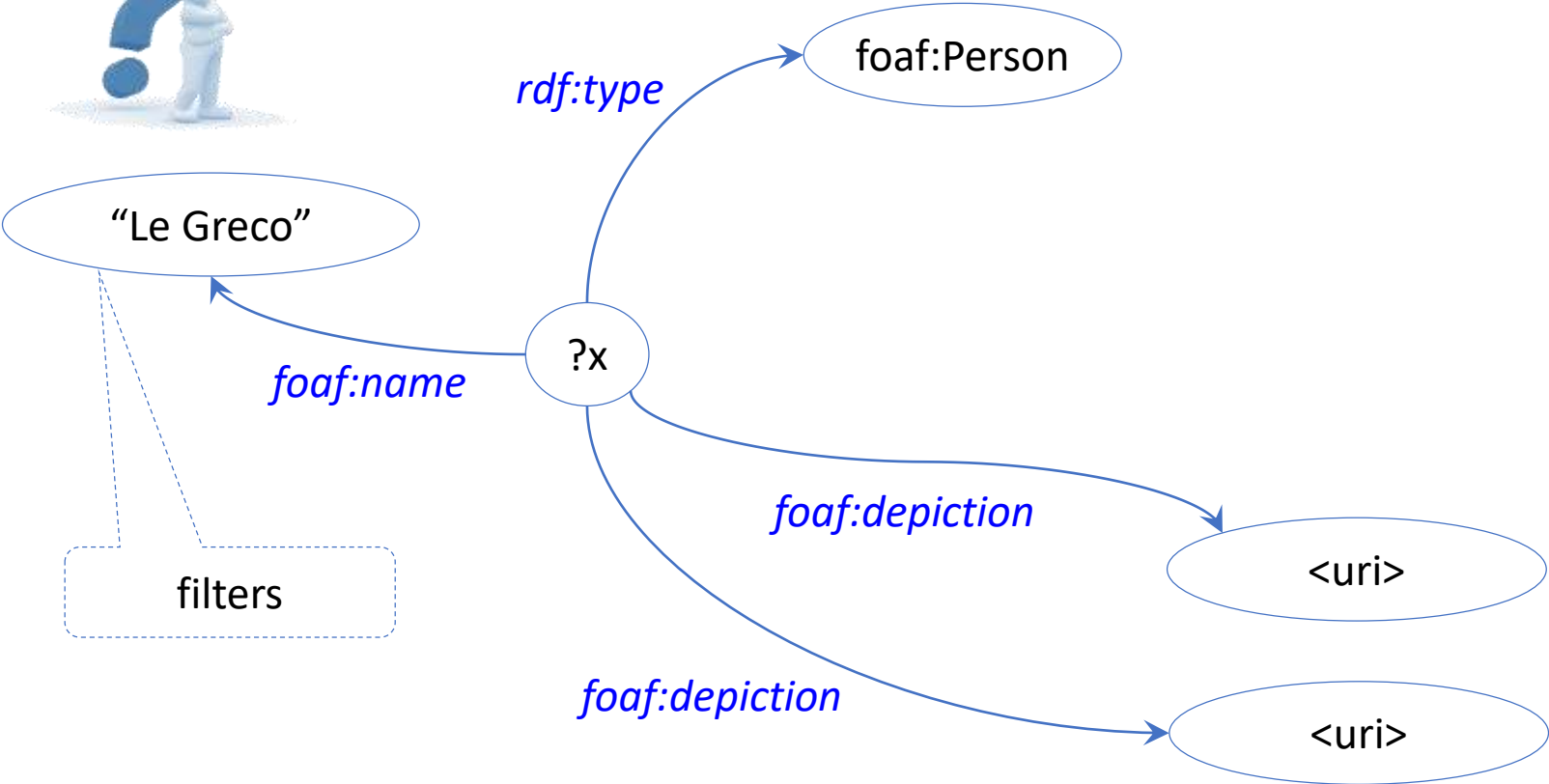
National Library of France



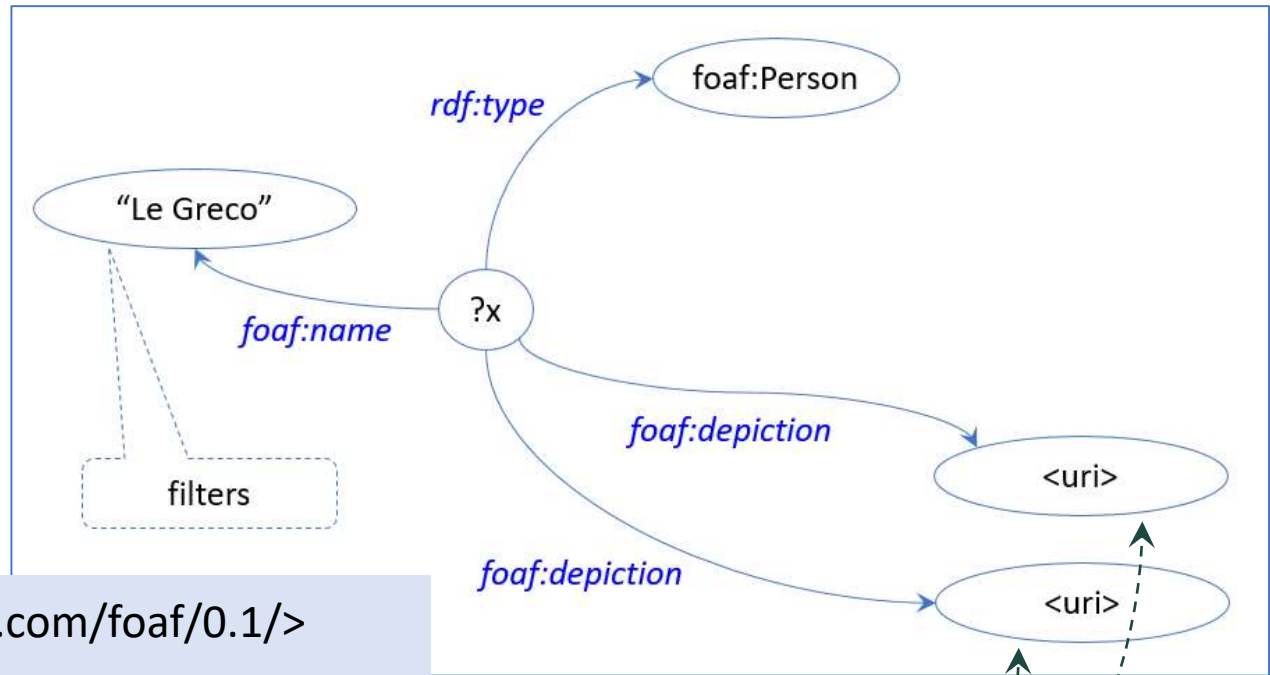
National Library of France



I'm looking for visual representations of the painter *Le Greco*



National Library of France



```
PREFIX foaf: <http://xmlns.com/foaf/0.1/>
```

```
SELECT ?img
```

```
where { ?x rdf:type foaf:Person.
```

```
        ?x foaf:name ?y.
```

```
        FILTER regex ( ?y, "Le Greco").
```

```
        ?x foaf:depiction ?img
```

```
}
```

```
LIMIT 100
```

?img

National Library of France

img
http://commons.wikimedia.org/wiki/Special:FilePath/EI%20Greco%20-%20Portrait%20of%20a%20Man%20-%20WGA10554.jpg
https://gallica.bnf.fr/ark:/12148/bpt6k6572137b.thumbnail
https://gallica.bnf.fr/ark:/12148/bpt6k33213325.thumbnail

Editeur SPARQL de data.bnf.fr

Graphe par défaut (IRI)

Requête

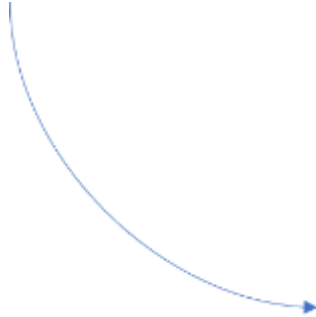
```
1 PREFIX foaf: <http://xmlns.com/foaf/0.1/>
2 SELECT ?img
3 where { ?x rdf:type foaf:Person.
4         ?x foaf:name ?y.
5         FILTER regex ( ?y, "Le Greco").
6         ?x foaf:depiction ?img
7     }
8 LIMIT 100
9
```



*

National Library of France

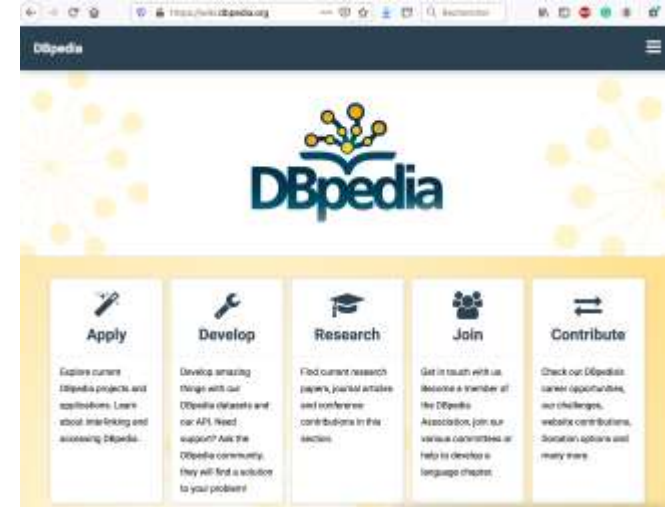
x	y	img
http://data.bnf.fr/ark:/12148/cb12033456h#about	"Le Greco"	http://commons.wikimedia.org/wiki/Special:FilePath/E1%20Greco%20-%20Portrait%20of%20a%20Man%20-%20WGA10554.jpg
http://data.bnf.fr/ark:/12148/cb12033456h#about	"Le Greco"	https://gallica.bnf.fr/ark:/12148/bpt6k6572137b.thumbnail
http://data.bnf.fr/ark:/12148/cb12033456h#about	"Le Greco"	https://gallica.bnf.fr/ark:/12148/bpt6k33213325.thumbnail



Le Greco (1541?-1614)

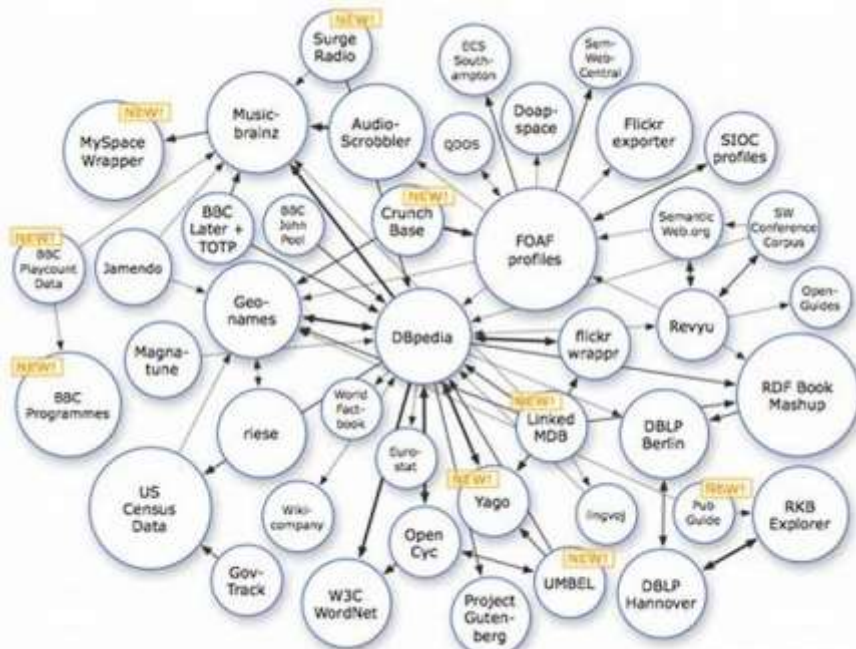


Pays : [Espagne](#)
Langue : Grec moderne (après 1453), espagnol, castillan
Sexe : Masculin
Naissance : Héraclion (Grèce), 1541
Mort : [Toledo \(Espagne\)](#), 07-04-1614
Note : Peintre et dessinateur formé à l'école vénitienne, actif en Crète, Italie et Espagne ; signa la majorité de ses oeuvres en grec. - Aussi architecte et sculpteur
Domaines : [Peinture](#)
Autres formes du nom : [Gréco \(1541?-1614\)](#)
[El Gkréko \(1541?-1614\)](#)
['El Gkréko \(1541?-1614\)](#)
[El Greco \(1541?-1614\)](#)
[El Gkréko \(1541?-1614\)](#)
['El Gkréko \(1541?-1614\)](#)
[El Greco \(1541?-1614\)](#)
[Le Greco \(1541?-1614\) \(français\)](#)
[Domenico Theocopuli \(1541?-1614\)](#)
[Domenico Theotokopuli \(1541?-1614\)](#)
[Domínikos Theotokópoulos \(1541?-1614\)](#)
[Domínikos Theotokópoulos \(1541?-1614\)](#)
[Kyriákos Theotokópoulos \(1541?-1614\)](#)
[Kyriákos Theotokópoulos \(1541?-1614\)](#)
[Kyriákos Theotokópoulos \(1541?-1614\)](#)
[Dhominíkos Theotokópoulos \(1541?-1614\)](#)
ISNI : [ISNI 0000 0001 2283 440X](#)



<https://wiki.dbpedia.org>

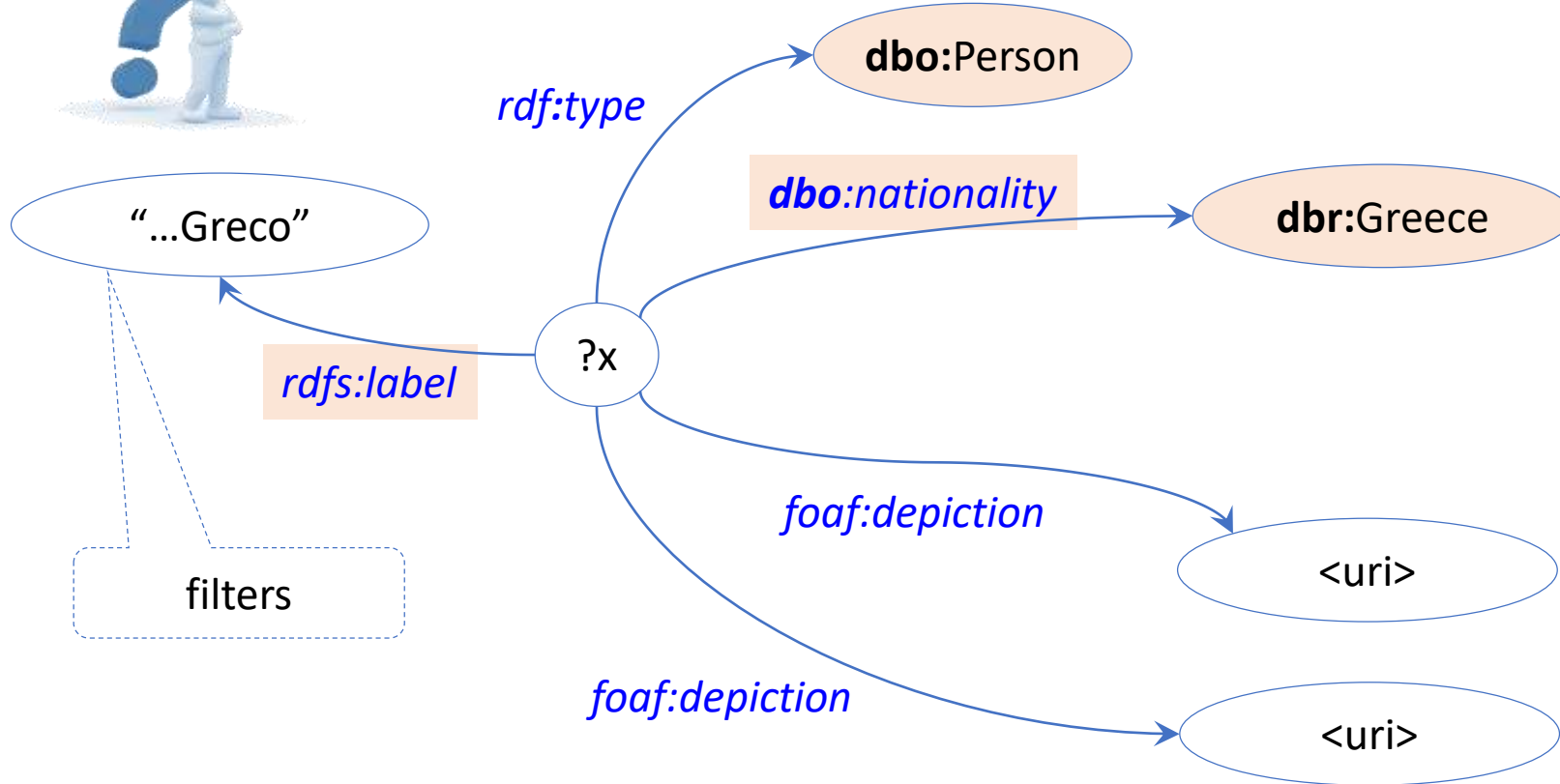
Knowledge bases are playing an increasingly important role in enhancing the intelligence of Web and enterprise search and in supporting information integration.



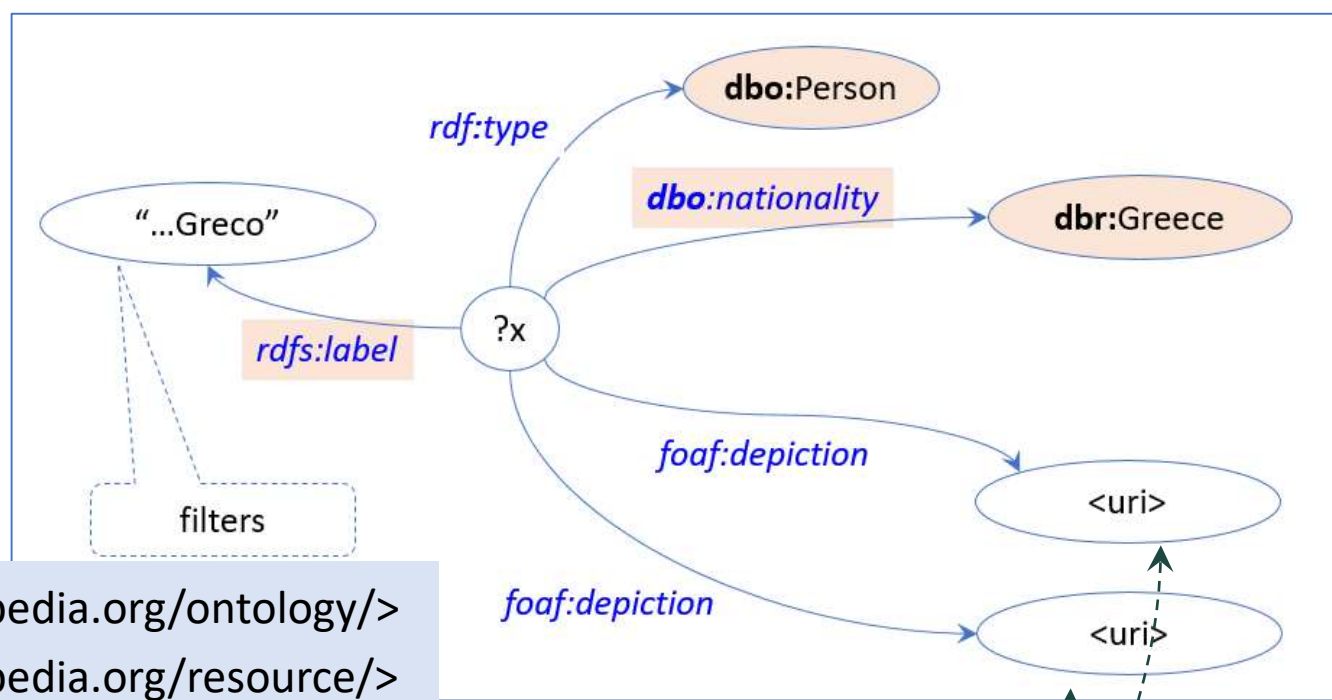
As of September 2008



I'm looking for visual representations of the painter *Le Greco*



<https://dbpedia.org/sparql>



```

PREFIX dbo: <http://dbpedia.org/ontology/>
PREFIX dbr: <http://dbpedia.org/resource/>
PREFIX foaf: <http://xmlns.com/foaf/0.1/>
SELECT DISTINCT *
where {
  ?x rdf:type dbo:Person.
  ?x rdfs:label ?y.
  ?x dbo:nationality dbr:Greece.
  FILTER (lang(?y)='fr').
  FILTER regex ( ?y, "Greco").
  ?x foaf:depiction ?img
}
LIMIT 100

```

?img

x	y	img
http://dbpedia.org/resource/El_Greco	"El Greco"@fr	http://commons.wikimedia.org/wiki/Special:FilePath/El_Greco - Portrait of a Man - WGA10554.jpg



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Formats ▾

Faceted Browser

Sparql Endpoint

About: El Greco

An Entity of Type : [personne](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)

Domínikos Theotokópoulos, dit Greco, est un peintre, sculpteur et architecte, né en 1541 à Candie, en Crète, alors sous protectorat de la République de Venise, et mort le 7 avril 1614, à Tolède. Il est considéré comme le peintre fondateur de l'École espagnole du XVI^e siècle. Son œuvre picturale, synthèse du maniérisme renaissant et de l'art byzantin, est caractérisée par des formes allongées et des couleurs vives. S'il fut célébré de son vivant, il a été oublié pendant plus d'un siècle. Redécouvert au milieu du XIX^e siècle par les romantiques français en particulier, sa peinture extravagante a suscité des commentaires innombrables, souvent en contradiction avec les faits historiques avérés. Sa singularité a influencé de nombreux artistes au XX^e siècle, entre autres Picasso et Jackson Pollo

Property

Value

[dbo:abstract](#)

- Doménikos Theotokópoulos (Greek: Δομήνικος Θεοτοκόπουλος [ðoˈminikos ðeotoˈkopulos]; 1541 – 7 April 1614), most widely known as El Greco (pronounced: [elˈgreko]; Spanish for "The Greek"), was a painter, sculptor and architect of the Spanish Renaissance. The nickname "El Greco" refers both to his Greek origin and Spanish citizenship. The artist normally signed his paintings with his full birth name in Greek letters, Δομήνικος Θεοτοκόπουλος (Doménikos Theotokópoulos), often adding the word Κρής (Krēs, "Cretan"). El Greco was born in Crete, which was at that time part of the Republic of Venice, and the center of Post-Byzantine art. He trained and became a master within that tradition before traveling at age 26 to Venice, as other Greek artists had done. In 1570 he moved to Rome, where he opened a workshop and executed a series of works. During his stay in Italy, El Greco enriched his style with elements of Mannerism and of the Venetian Renaissance. In 1577, he moved to Toledo, Spain, where he lived and worked until his death. In Toledo, El Greco



{BnF



```
<https://data.bnf.fr/ark:/12148/cb1:
a skos:Concept ;
bnf-onto:FRBNF 12033456 ;
isni:identifierValid "000000012283
dcterms:created "1987-03-16" ;
dcterms:modified "2013-07-25" ;
...
skos:exactMatch
<http://isni.org/isni/000000012283440X>,
<http://viaf.org/viaf/100215785/>,
<http://wikidata.org/entity/Q301>,
<http://www.idref.fr/028513568> ;
```



```
dbr:El_Greco
dbo:wikiPageExternalLink
<http://www.thecityreview.com/elgreco.html> ,
<http://www.el-greco-foundation.org/> ,

@prefix dbpedia-nl: <http://nl.dbpedia.org/resource/> .
dbr:El_Greco owl:sameAs dbpedia-nl:El_Greco .
@prefix dbpedia-de: <http://de.dbpedia.org/resource/> .
dbr:El_Greco owl:sameAs dbpedia-de:El_Greco .
@prefix dbpedia-pt: <http://pt.dbpedia.org/resource/> .
dbr:El_Greco owl:sameAs dbpedia-pt:El_Greco ,
```



common.wikimedia.org




About: [Δομήνικος Θεοτοκόπουλος](#)

An Entity of Type : [καλλιτέχνης](#), from Named Graph : <http://el.dbpedia.org>, within Data Space : el.dbpedia.org



← → ↻ 🏠 <https://hal.archives-ouvertes.fr> ⋮ 🛡️ ★

CCSD HAL Episciences.org Sciencesconf.org Support fr en Sign in



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The open archive HAL

HAL is an open archive where authors can deposit scholarly documents from all academic fields.

For the attention of the authors

- The deposit of the fulltext should be made in agreement with the co-authors and in the respect for the policy of the publishers.
- The deposit is subject of a control, HAL reserves the right to refuse items that do not meet the criteria of the archive.
- Any deposit is definitive, no withdrawals will be made after the on-line posting of the publication.
- Text files in pdf format or image files are sent to CINES for long-term archiving.

SEARCH

Termes de recherche (* pour | 🔍

NUMBER OF RESOURCES

1 983 820

NUMBER OF FULLTEXTS

654 485


```
prefix foaf: <http://xmlns.com/foaf/0.1/>
```

```
select distinct ?doc
```

```
where {
```

```
  ?s a foaf:Person.
```

```
  ?s foaf:name "Christophe Roche".
```

```
  ?s foaf:publications ?doc.
```

```
  ?doc rdf:type <http://purl.org/spar/fabio/ConferencePaper>.
```

```
}
```

```
Limit 100
```

```
http://sparql.archives-ouvertes.fr/sparql
```



doc
https://data.archives-ouvertes.fr/document/hal-00675188
https://data.archives-ouvertes.fr/document/hal-00675207
https://data.archives-ouvertes.fr/document/hal-00675248

```
https://data.archives-ouvertes.fr/document/hal-00202639v1
```

```
http://purl.org/dc/elements/1.1/subject
```

intelligence artificielle

```
http://purl.org/dc/elements/1.1/subject
```

Ingénierie des connaissances

```
http://purl.org/dc/elements/1.1/subject
```

représentation des connaissances

```
http://purl.org/dc/elements/1.1/subject
```

Ontologie

```
http://purl.org/dc/terms/isVersionOf
```

```
https://data.archives-ouvertes.fr/document/hal-00202639
```

<https://www.persee.fr/>



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MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION

```

select distinct *
where {
  ?p a foaf:Person.
  ?p foaf:name "Christophe Roche".
  ?p ?r ?z}
LIMIT 100

```

p	r	z
http://data.persee.fr/authority/40915#Person	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://xmlns.com/foaf/0.1/Person
http://data.persee.fr/authority/40915#Person	http://www.w3.org/2000/01/rdf-schema#label	"Christophe Roche"
http://data.persee.fr/authority/40915#Person	http://www.w3.org/2002/07/owl#sameAs	http://viaf.org/viaf/173205699
http://data.persee.fr/authority/40915#Person	http://www.w3.org/2002/07/owl#sameAs	https://www.idref.fr/076496279/id
http://data.persee.fr/authority/40915#Person	http://xmlns.com/foaf/0.1/name	"Christophe Roche"
http://data.persee.fr/authority/40915#Person	http://xmlns.com/foaf/0.1/familyName	"Roche"
http://data.persee.fr/authority/40915#Person	http://xmlns.com/foaf/0.1/givenName	"Christophe"
http://data.persee.fr/authority/40915#Person	http://xmlns.com/foaf/0.1/page	https://www.persee.fr/authority/40915

Issues?



Representation

Réponse n° 1



Domaine **peinture**

Type d'objet **tableau**

Titre **PORTRAIT DE MONA LISA (1479-1528) ; DITE LA JOCONDE**

Auteur/exécutant **LEONARDO DI SER PIERO DA VINCI ; VINCI Léonard de (dit)**

Précision auteur/exécutant **Vinci, 1452 ; Amboise, 1519**

Ecole **Italie**

Période création/exécution **1er quart 16e siècle**

Millésime création/exécution **1503 entre ; 1506 et**

Genèse **oeuvre en rapport ; reproduit en gravure**

Historique **commandé par le florentin Francesco del Giocondo, époux de Mona Lisa entre 1503 et 1506 ; nombreuses copies dont une conservée au Louvre ; gravé par Fauchery, par Filhol, par Landon**

Matériaux/techniques **peinture à l'huile ; bois**

Mesures **77 H ; 53 L**

Sujet représenté **portrait (Mona Lisa, femme, à mi-corps, de trois-quarts, assis, accoudé, loggia, Italien) ; fond de paysage (montagne, rocher, cours d'eau, pont, plaine, route)**

Date sujet représenté **1479-1528**

Lieu de conservation **Paris ; musée du Louvre département des Peintures**



Musée de France
au sens de la loi n°2002-5 du 4 janvier 2002

Statut juridique **propriété de l'Etat ; musée du Louvre département des Peintures**

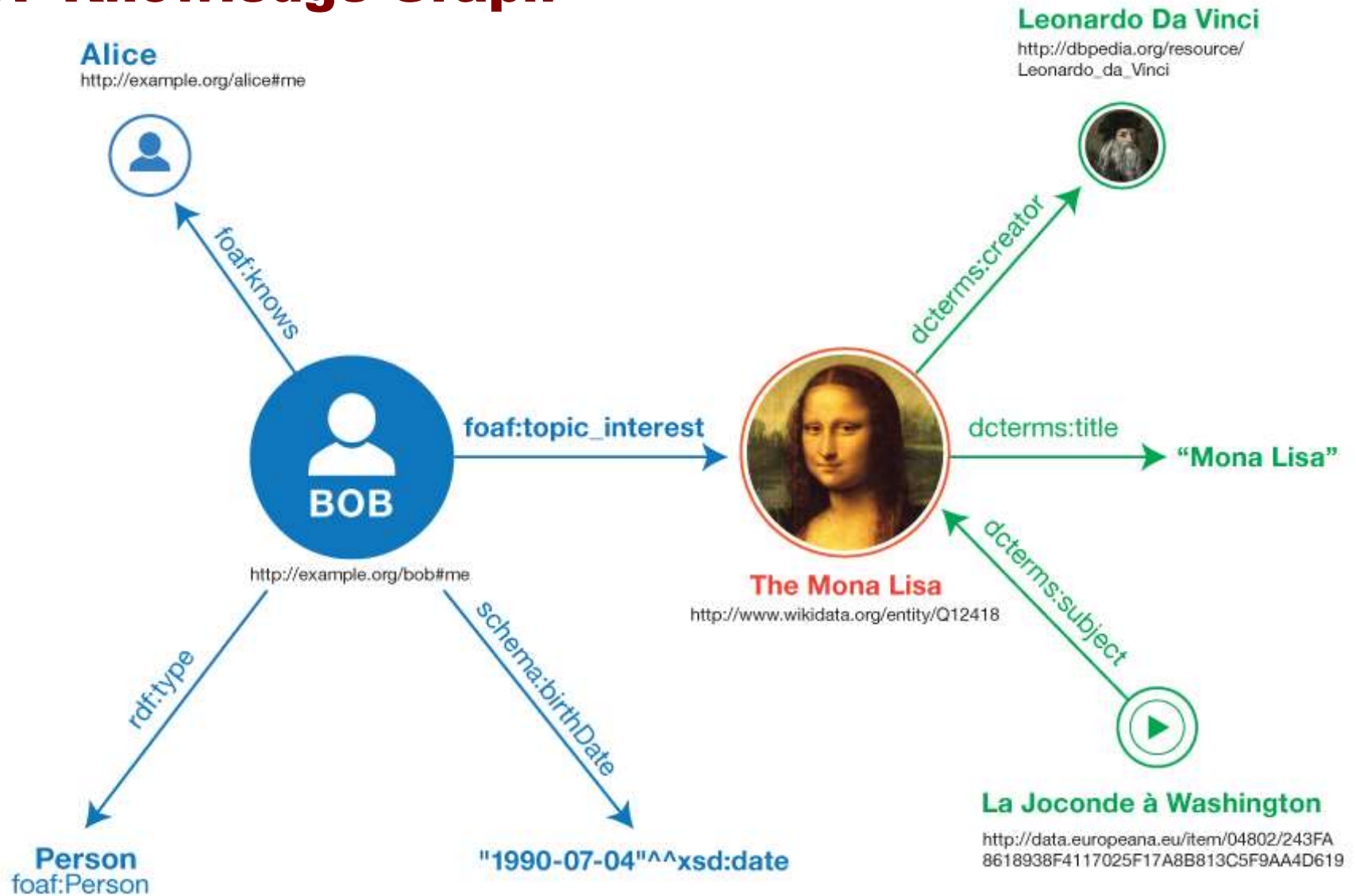
Anciennes appartenances **François Ier ; Couronne de France**

How to Represent Data:

- Accessible (open)
- Computer Readable
- Interoperable (shareable)
- Linkable

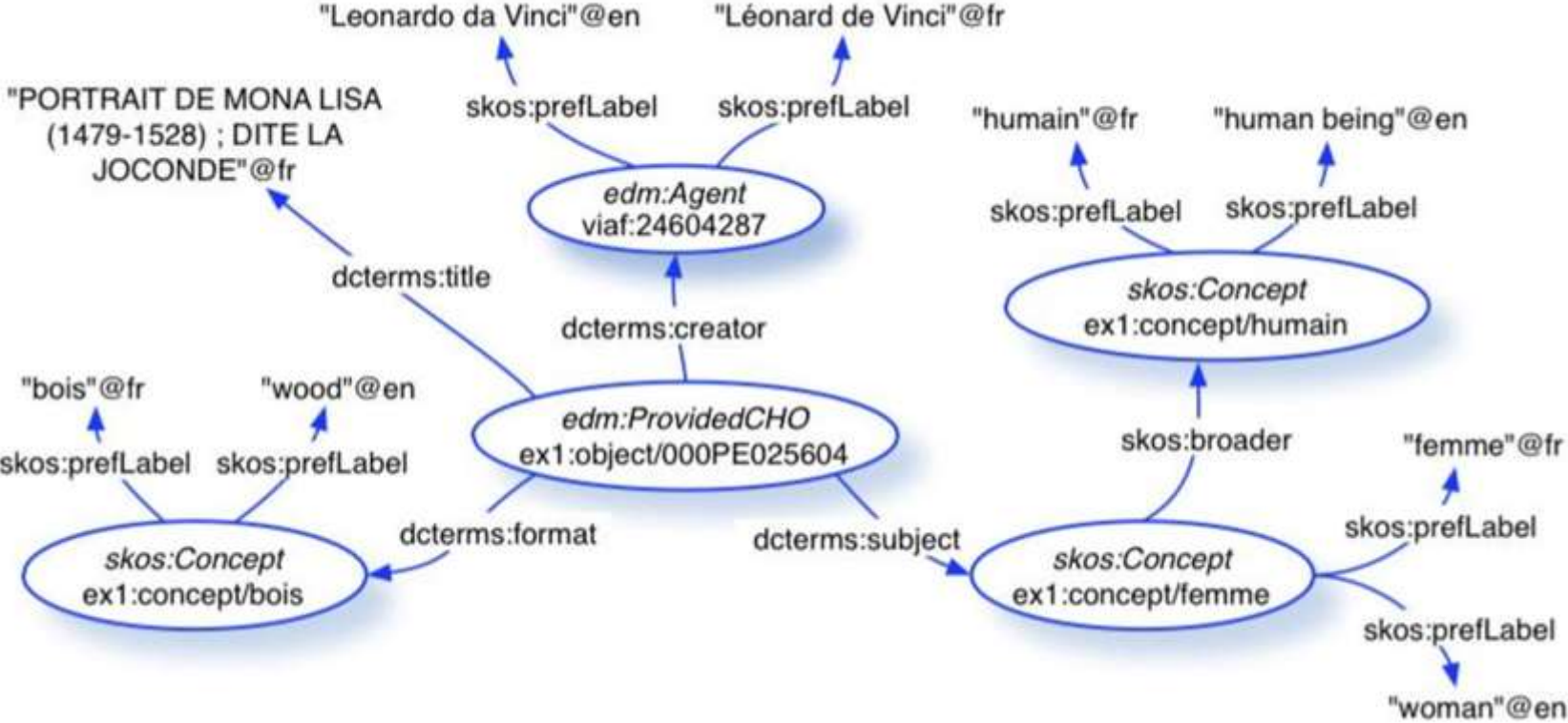


RDF Knowledge Graph

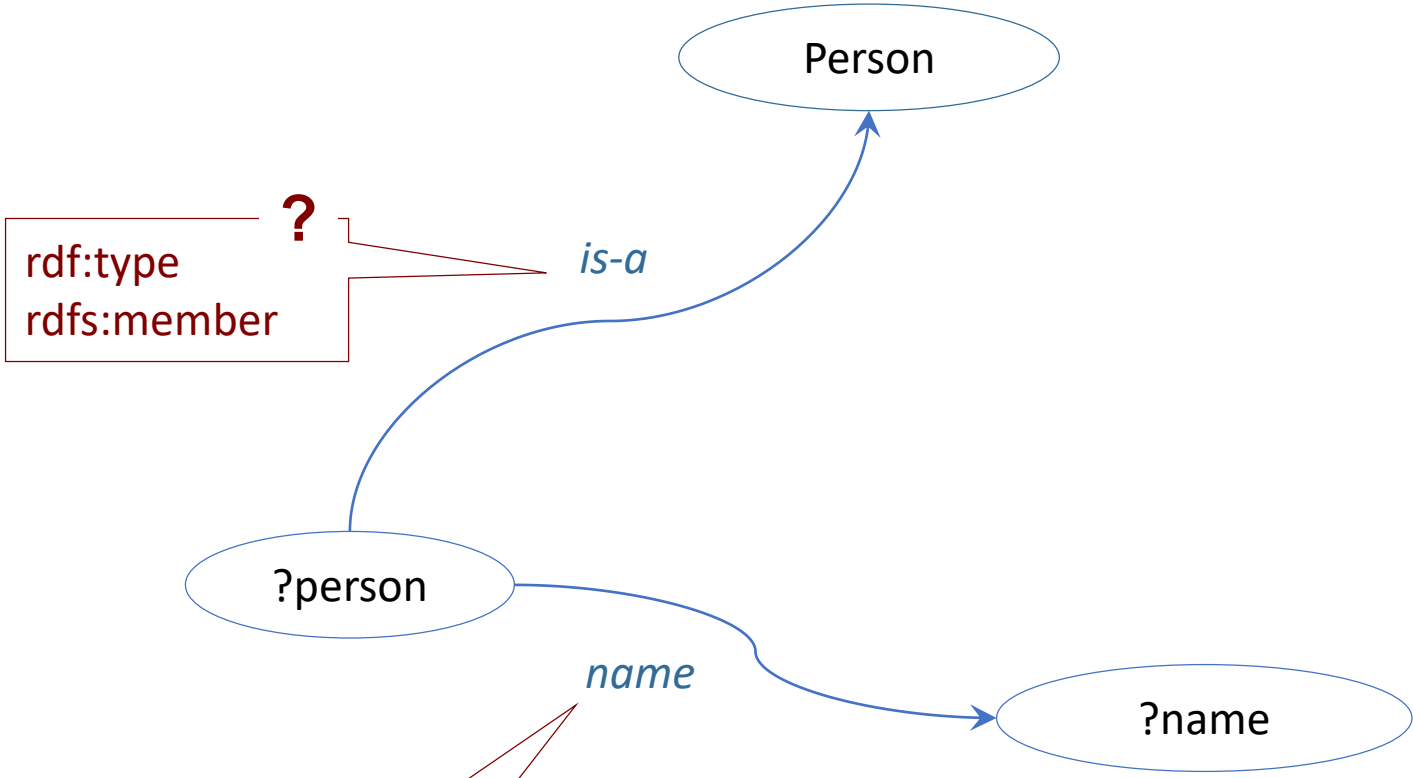


RDF is a directed, labelled graph data format for representing information in the Web. RDF is often used to represent, among other things, personal information, social networks, metadata about digital artefacts, as well as to provide a means of integration over disparate sources of information.

RDF Knowledge Graph



Vocabularies



?
rdf:type
rdfs:member

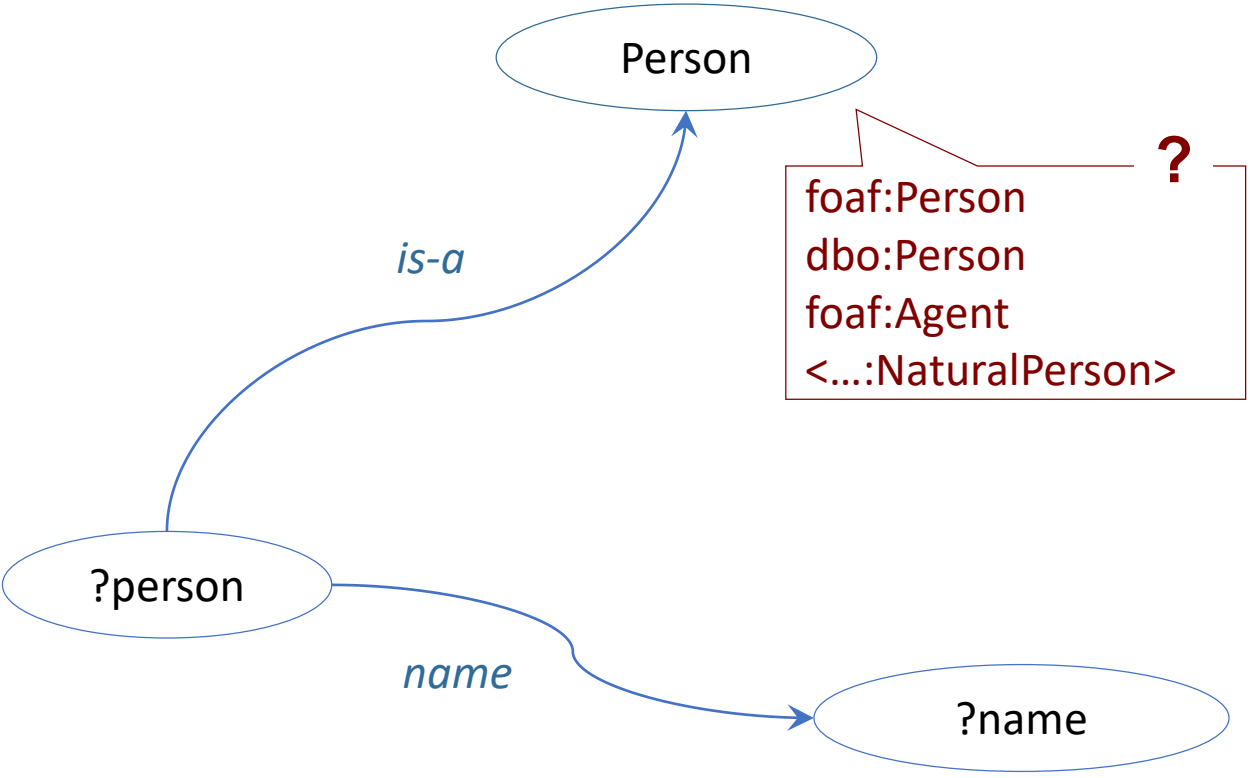
?
foaf:name
skos:prefLabel
rdf:label



Use standardized vocabularies



Ontologies



Use standardized ontologies



Example of Kraters

CLASSICAL ART RESEARCH CENTRE



<http://www.beazley.ox.ac.uk/tools/pottery/shapes/kraters.htm>



Ontology of Kraters



"krater"@en
"cratère"@fr
designates
<Vessel for mixing wine with water with open mouth with foot with handles>

/with neck/
<Vessel for mixing wine with water with open mouth with foot with handles with neck>
/without neck/
<Vessel for mixing wine with water with open mouth with foot with handles without neck>

"column krater"@en
"cratère à colonnettes"@fr
designates
<Vessel for mixing wine with water with open mouth with foot with handles with neck with column-like handles>

/with volute-like handles/
"volute krater"@en
"cratère à volutes"@fr
designates
<Vessel for mixing wine with water with open mouth with foot with handles with neck with volute-like handles>

/with upward curling handles/
"calyx krater"@en
"cratère en calice"@fr
designates
<Vessel for mixing wine with water with open mouth with foot with handles without neck with upward curling handles>



"bell krater"@en
"en cloche"@fr
designates
<Vessel for mixing wine with water with open mouth with foot with handles without neck with upward curling handles placed high on body>



/placed low on body/
"calyx krater"@en
"cratère en calice"@fr
designates
<Vessel for mixing wine with water with open mouth with foot with handles without neck with upward curling handles placed low on body>



```
SELECT ?name ?definition ?img ?exactMatch
WHERE {
  ?concept rdf:type owl:Class.
  ?concept skos:prefLabel ?name.
  ?concept skos:definition ?definition.
  ?concept foaf:depiction ?img.
  ?concept skos:exactMatch ?exactMatch.
  FILTER (lang(?name) = 'en')
}
```

name	definition	img	exactMatch
"calyx krater"@en	"Krater without neck, with upward curling handles placed low on the body."@en	http://ontologia.fr/Images/GreekVase/Beazley-Calyx-Krater.png	http://kerameikos.org/id/calyx_krater
"calyx krater"@en	"Krater without neck, with upward curling handles placed low on the body."@en	http://ontologia.fr/Images/GreekVase/Beazley-Calyx-Krater.png	http://www.wikidata.org/entity/Q15407662
"calyx krater"@en	"Krater without neck, with upward curling handles placed low on the body."@en	http://ontologia.fr/Images/GreekVase/Beazley-Calyx-Krater.png	http://vocab.getty.edu/aat/300198858
"calyx krater"@en	"Krater without neck, with upward curling handles placed low on the body."@en	http://ontologia.fr/Images/GreekVase/Beazley-Calyx-Krater.png	http://collection.britishmuseum.org/id/thesauri/x5742
"krater"@en	"Vase pour mélanger le vin avec de l'eau."@fr	http://ontologia.fr/Images/GreekVase/Beazley-Krater.png	http://collection.britishmuseum.org/id/thesauri/x7580

Terminology of Kraters

```

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX otb: <http://www.ontologia.fr/OTB#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX skos: <http://www.w3.org/2004/02/skos/core#>
PREFIX foaf: <http://xmlns.com/foaf/0.1/>
SELECT DISTINCT ?name ?note
WHERE {
    ?x skos:prefLabel ?name.
    ?x skos:note ?note.
    FILTER (lang(?name)='en').
    FILTER (lang(?note)='en')
}
ORDER BY ?name
LIMIT 100

```

<https://data.bnf.fr/current/sparql.html>

<http://ontologia.fr/OTB/Kraters.owl>

name	note
"bell krater"@en	""The latest of the four krater-types, it first occurs in the early fifth century, and is not found decorated in black-figure. It is named for its bell-like shape, perhaps originating in wood. It has small horizontal upturned handles just over halfway up the body. Some do not have a foot, and earlier examples may have lugs for handles. Over the course of the fifth and fourth centuries, the shape becomes slimmer." Classical Art Research Centre, University of Oxford. Accessible online: @en
"calyx krater"@en	""The calyx-krater is one of the largest Attic vases, and is reminiscent of a bell-shaped flower. It is named for its convex lower body that has the configuration of the calyx of a flower, while the flaring upper body is suggestive of the bell-shaped corolla. It has large, robust, upturned handles situated opposite one another on the cul. The calyx-krater appears in Attic black-figure after the middle of the 6th c. BCE and is a popular shape until the end of red-figure." @en
"calyx krater"@en	""The handles of the calyx-krater are placed low down on the body, at what is termed the cul. Their upward curling form lends the shape an appearance reminiscent of the calyx of a flower, hence the name. The earliest known example was possibly made by Exekias in the third quarter of the sixth century. It continues to be produced, mainly in red-figure, becoming more elongated over the course of the fifth and fourth centuries." Classical Art Research Centre, University of Oxford. Accessible online: @en
"column krater"@en	""Named for its column-like handles, the column-krater is first known from Corinthian examples dated to the late seventh century. It is regularly produced by Athenian potters from the first half of the sixth-century until the third quarter of the fifth. It seems from graffiti on Athenian red-figure examples that the vessel was referred to as Korinthios or Korinthiourges." Classical Art Research Centre, University of Oxford. Accessible online: @en
"krater"@en	"LSJ (Perseus): mixing vessel, esp. bowl, in which wine was mixed with water. Accessible online: @en
"volute krater"@en	""The volute-krater is named after its handles. The François Vase is a famous and early example, but the typical Athenian form occurs only later in the sixth century, with the handles tightly curled so that they look like the volutes on Ionic columns. The shape is also found in metal. Over the course of the fifth and fourth centuries, examples become slimmer, and Apulian volute-kraters from South Italy are particularly elaborate." Classical Art Research Centre, University of Oxford. Accessible online: @en

Kraters (cultural objects)



```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX otb: <http://www.ontologia.fr/OTB#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX skos: <http://www.w3.org/2004/02/skos/core#>
PREFIX foaf: <http://xmlns.com/foaf/0.1/>
SELECT ?name ?img
WHERE {
    ?concept rdf:type owl:NamedIndividual.
    ?concept skos:prefLabel ?name.
    ?concept foaf:depiction ?img.
}
ORDER BY ?name
LIMIT 100
```

<https://data.bnf.fr/current/sparql.html>

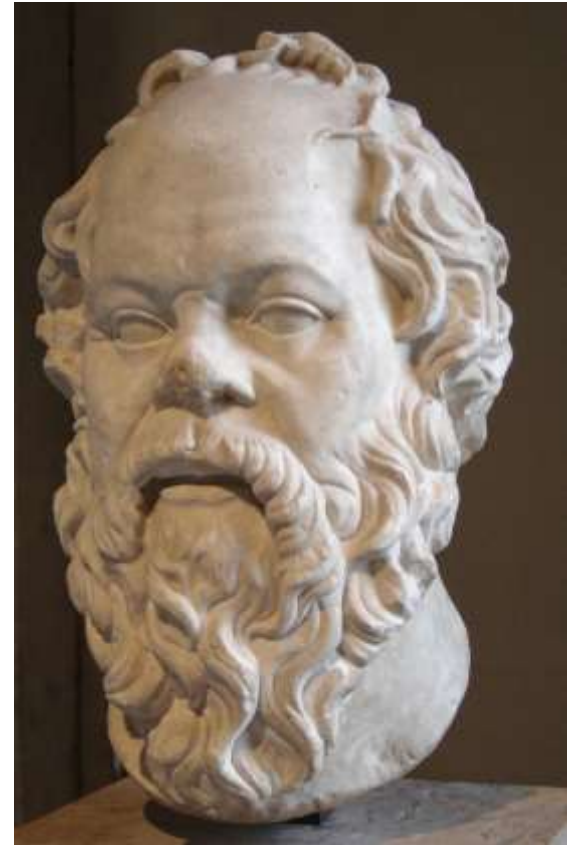
<http://ontologia.fr/OTB/Kraters.owl>

name	img
"Beazley-12595"	http://ontologia.fr/Images/GreekVase/Beazley-12595.png
"Beazley-16377"	http://ontologia.fr/Images/GreekVase/Beazley-16377.png
"Beazley-214878"	http://ontologia.fr/Images/GreekVase/Beazley-214878.png
"Beazley-215332"	http://ontologia.fr/Images/GreekVase/Beazley-215332.png
"Beazley-215332"	http://ontologia.fr/Images/GreekVase/Beazley-215332.png
"Beazley-215424"	http://ontologia.fr/Images/GreekVase/Beazley-215424.png
"Beazley-217511"	http://ontologia.fr/Images/GreekVase/Beazley-217511.png
"Beazley-217564"	http://ontologia.fr/Images/GreekVase/Beazley-217564.png
"Beazley-217927"	http://ontologia.fr/Images/GreekVase/Beazley-217927.png
"Beazley-218043"	http://ontologia.fr/Images/GreekVase/Beazley-218043.png
"Beazley-218046"	http://ontologia.fr/Images/GreekVase/Beazley-218046.png
"Beazley-218059"	http://ontologia.fr/Images/GreekVase/Beazley-218059.png
"Beazley-218065"	http://ontologia.fr/Images/GreekVase/Beazley-218065.png
"Beazley-218073"	http://ontologia.fr/Images/GreekVase/Beazley-218073.png
"Beazley-218085"	http://ontologia.fr/Images/GreekVase/Beazley-218085.png
"Beazley-218101"	http://ontologia.fr/Images/GreekVase/Beazley-218101.png
"Beazley-218103"	http://ontologia.fr/Images/GreekVase/Beazley-218103.png
"Beazley-218130"	http://ontologia.fr/Images/GreekVase/Beazley-218130.png
"Beazley-218131"	http://ontologia.fr/Images/GreekVase/Beazley-218131.png
"Beazley-218153"	http://ontologia.fr/Images/GreekVase/Beazley-218153.png
"Beazley-218337"	http://ontologia.fr/Images/GreekVase/Beazley-218337.png
"Beazley-46072"	http://ontologia.fr/Images/GreekVase/Beazley-46072.png
"Beazley-5556"	http://ontologia.fr/Images/GreekVase/Beazley-5556.png
"François vase"	https://upload.wikimedia.org/wikipedia/commons/1/15/Museo_archeologico_di_Firenze%2C_Vaso_Fan_%C3%A7ois_2-2008-11-23.JPG
"place-35.2198443917,24.9957699715"	https://pleiades.stoa.org/places/589748
"place-38.0281126064,22.8528202479"	https://pleiades.stoa.org/places/570288

END

<http://fr.dbpedia.org/sparql>

```
select distinct *  
where {  
  ?x rdf:type foaf:Person.  
  ?x rdfs:label "Socrate"@fr.  
  ?x foaf:depiction ?z  
}
```



x	z
http://fr.dbpedia.org/resource/Socrate	http://commons.wikimedia.org/wiki/Special:FilePath/Socrates_Louvre.jpg