

REPRÉSENTATION DES CONNAISSANCES

NICOLA CARBONI

Metadati Buon fresco

title

San Francesco rinuncia ai beni terreni

Panel ita

Panel eng

detail iconografico

superoggetto iconografico

Reference

Reference A Symb

attribute

position

value

id	Panel ita	Panel eng	detail iconografico	superoggetto iconografico	Reference	Reference A Symb
51	San Francesco rinuncia ai beni terreni	Renunciation of Worldly Goods	window sill	domestic interior	Quale Francesco	Frugoni
52	Morte di san Francesco	Death and Ascension of Saint Francis	finger pointing the stigm	chiodi di carne	Quale Francesco	Frugoni
53	Natale di Greccio	Institution of the Crib at Greccio	mouth wide open	shaved friar singing	Quale Francesco	Frugoni
54	Natale di Greccio	Institution of the Crib at Greccio	mouth open	shaved friar singing	Quale Francesco	Frugoni
55	Morte di san Francesco	Death and Ascension of Saint Francis	mouth contemplating	shaved friar contemplating	Quale Francesco	Frugoni
56	Morte di san Francesco	Death and Ascension of Saint Francis	mouth mourning	shaved friar mourning St Fr	Quale Francesco	Frugoni
57	San Francesco davanti al Sultano	Saint Francis before the Sultan	wing	mountain	Quale Francesco	Frugoni

My Drive - Google Drive x Metadati Buon fresco - Google

https://docs.google.com/spreadsheets/d/1ZCp0G8nmztlJBCJFdLUktfa3ROmLmH_xLvDKaoXLGSi/

Metadati Buon fresco **subject of discourse** Share

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B51	San Francesco rinuncia ai beni terreni					
1	id	Panel ita	Panel eng	detail iconografico	superoggetto iconografico	Reference Reference A Symb
49		Confessione della donna resuscitate				
50						
51	21a95dc0-a9c0-4c31-8e0a-da434b40773d	San Francesco rinuncia ai beni terreni	Renunciation of Worldly Goods	window sill	domestic interior	Quale Francesco Frugoni renunc
52	9631c7-2532-46e8-a05d-f94e6fc1e0db	Morte di san Francesco	Death and Ascension of Saint Francis	finger pointing the stigm	chiodi di carne	Quale Francesco Frugoni Franci
53	097e3176-bf56-4a75-b93b-38510141f413	Natale di Greccio	Institution of the Crib at Greccio	mouth wide open	shaved friar singing	Quale Francesco Frugoni clergy
54	d59a985e-ebad-4560-a694-a210550b5cd8	Natale di Greccio	Institution of the Crib at Greccio	mouth open	shaved friar singing	Quale Francesco Frugoni clergy
55	08065e65-d846-4711-bdc7-4d73d637fc33	Morte di san Francesco	Death and Ascension of Saint Francis	mouth contemplating	shaved friar contemplating	Quale Francesco Frugoni clergy
56	d01163f8-94f1-4e4e-a1da-a0eed75e51b0	Morte di san Francesco	Death and Ascension of Saint Francis	mouth mourning	shaved friar mourning St Fr	Quale Francesco Frugoni death,
57	b4335e30-0741-4187-acdb-7e5e369b5ea7	San Francesco davanti al Sultano	Saint Francis before the Sultan	wing	mountain	Quale Francesco Frugoni light, r

where it is our information

feature we would like to talk about

what we would like to say

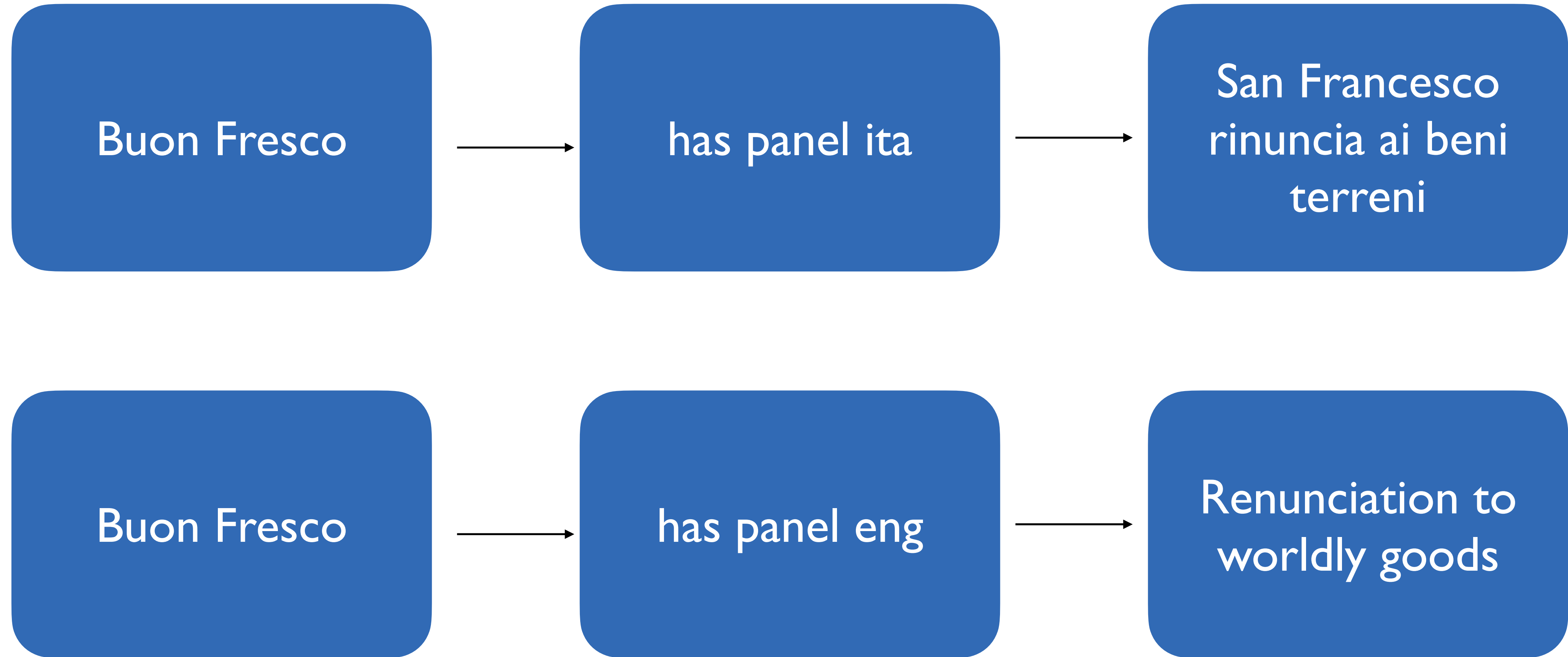
Buon Fresco

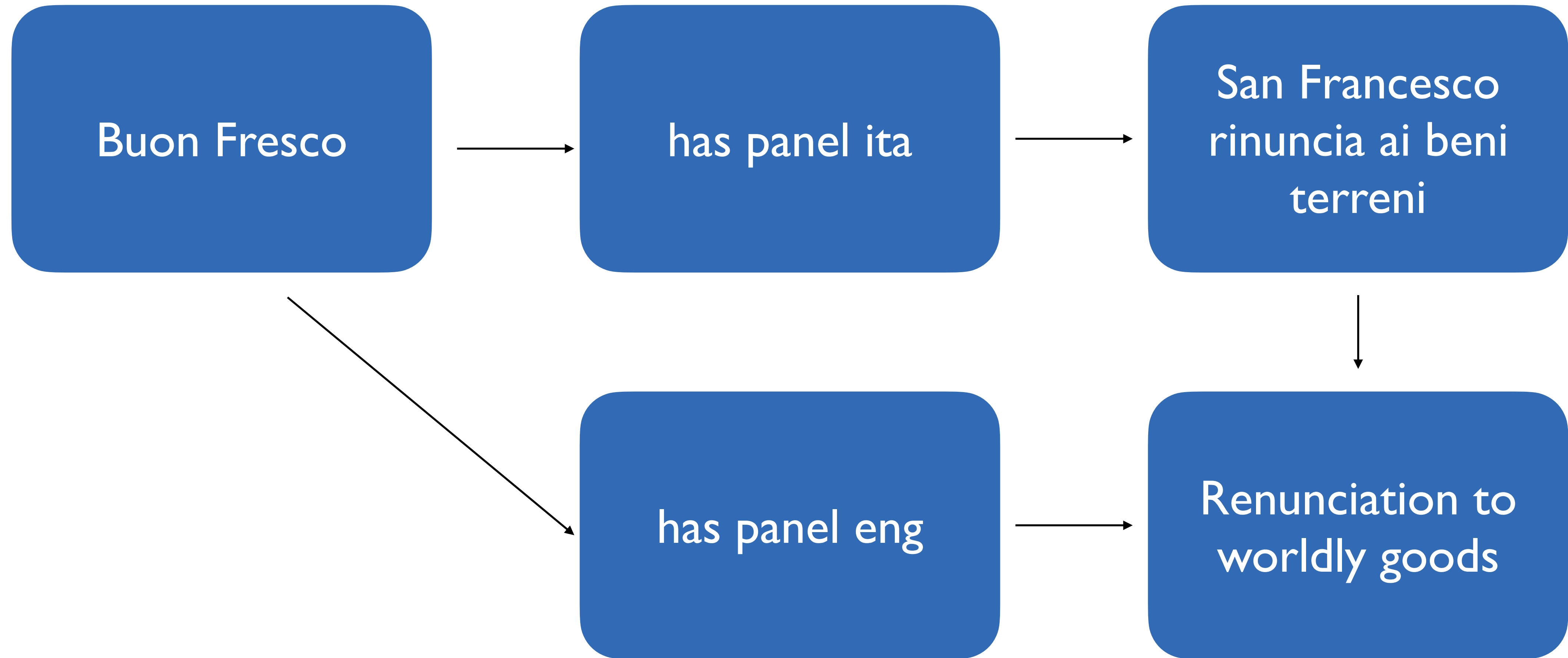


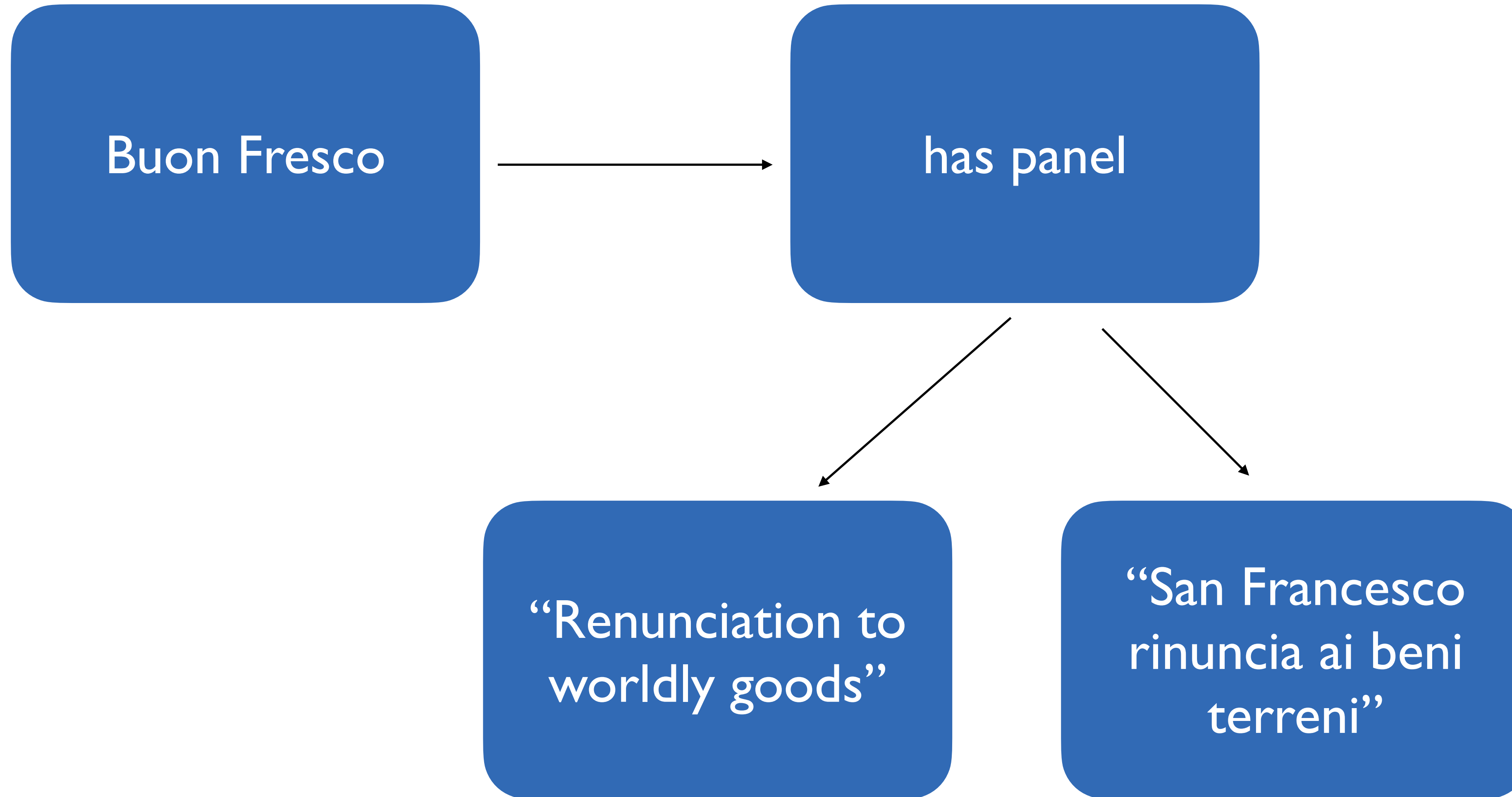
has panel ita

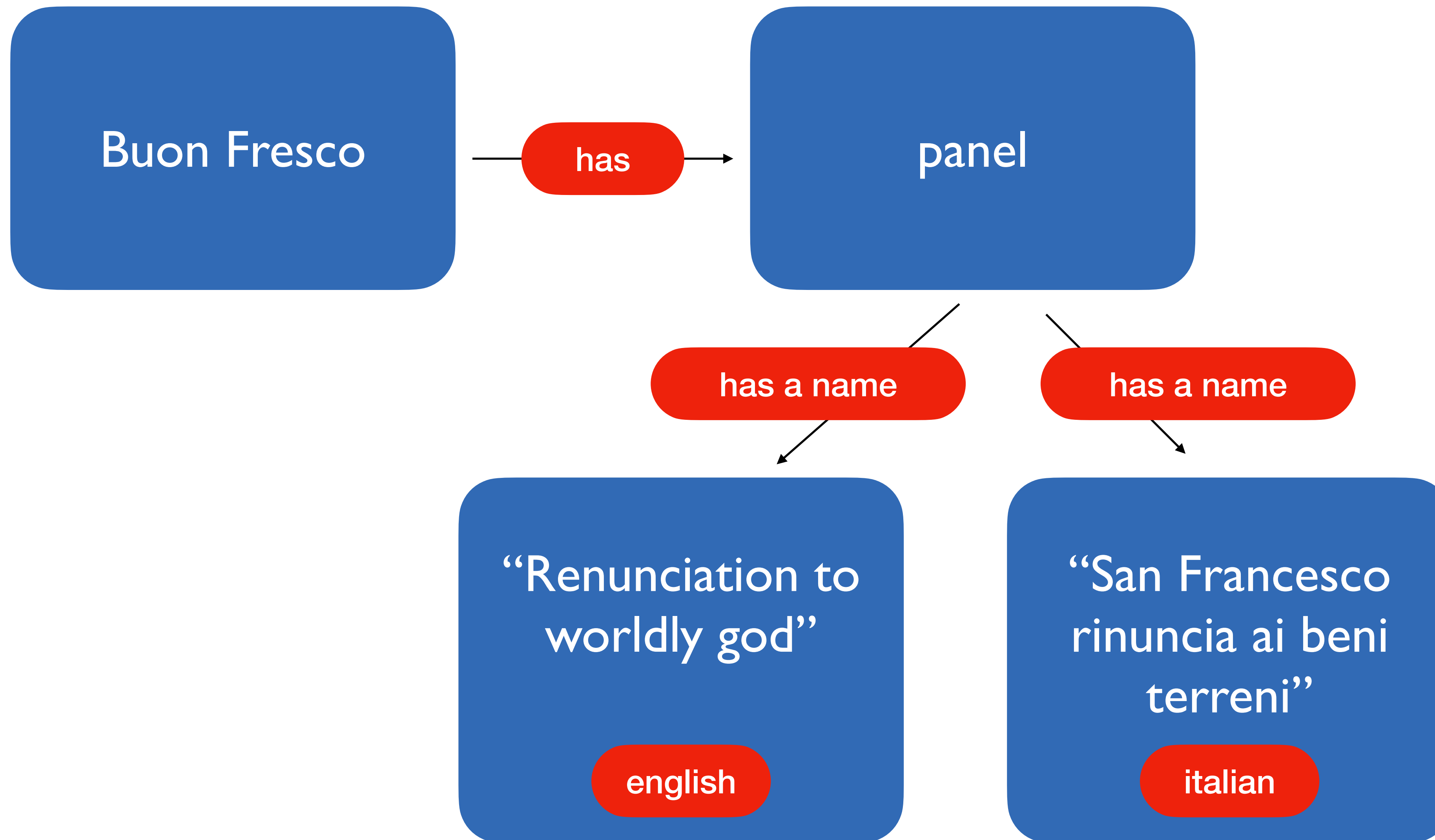


San Francesco
rinuncia ai beni
terreni









subject of discourse

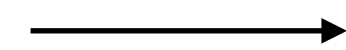
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hal:lodPublished="true">

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Scheuchzer, 23.9.1705</title>
        <author n="sn_14.001.000" hal:desc="briefe_verf" key="person_24013">Salis, Rudolf von
(1652-1735)</author>
      </titleStmt>
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what we would like to say

feature we would like to talk about

Letter 18159



has title



Rudolf von Salis an
Johann Jakob
Scheuchzer,
23.9.1705

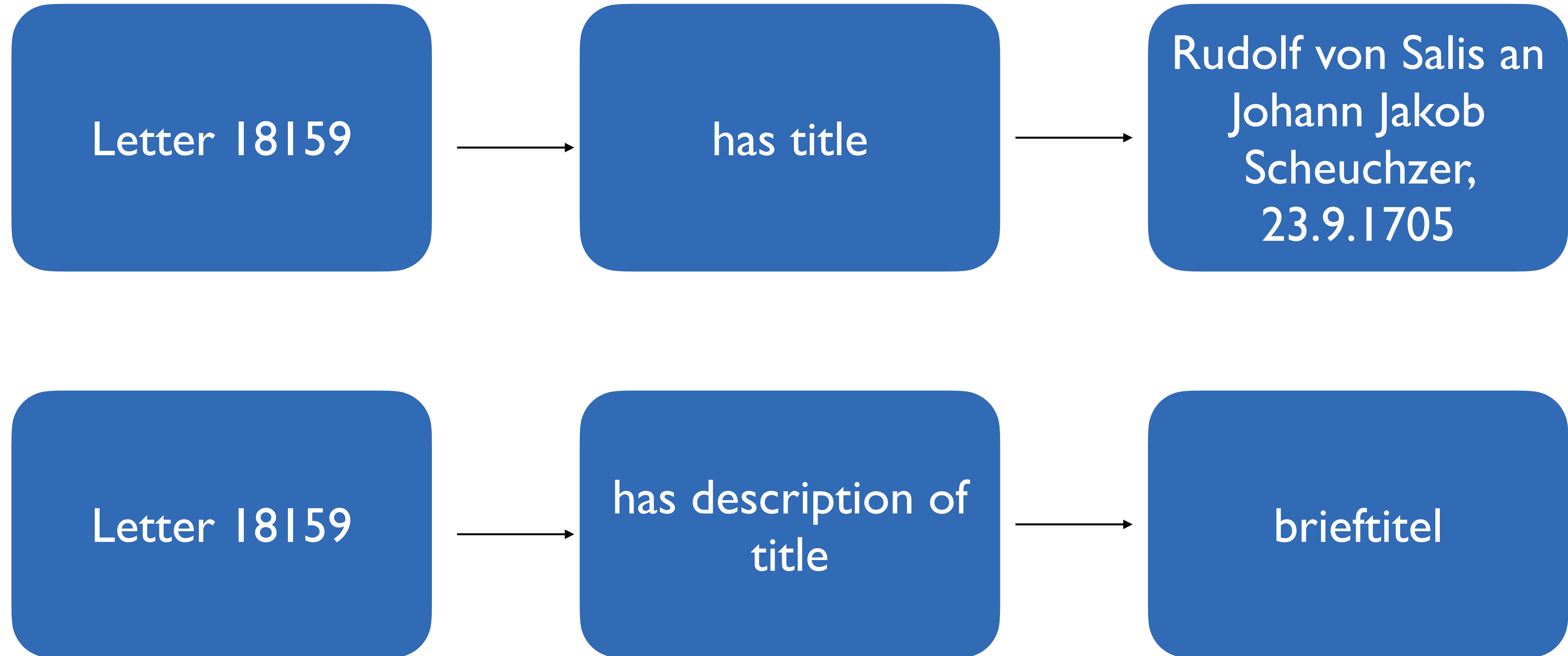
subject of discourse

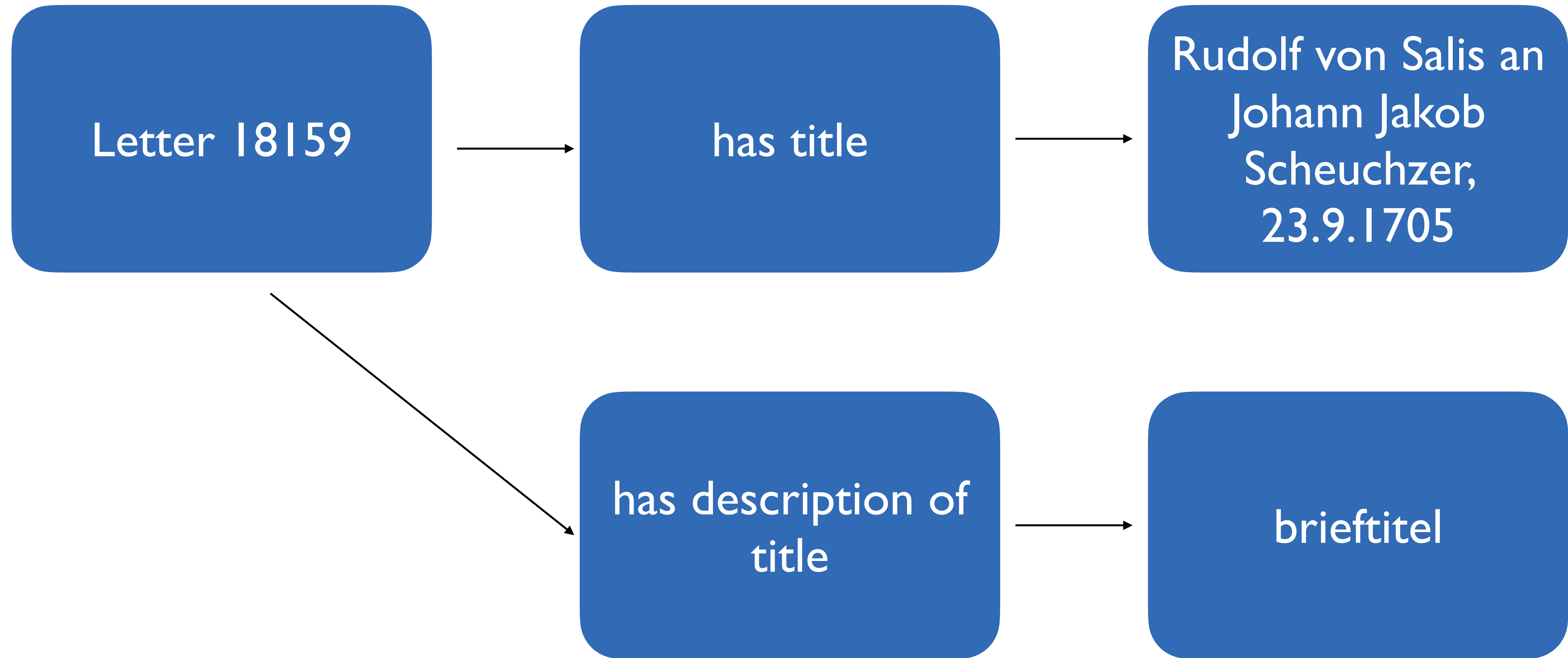
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xml:base="https://hallernet.org/" xml:id="letter_18159" hal:oxyFramework="true
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(1652-1735)</author>
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  </teiHeader>
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```

what we would like to say

feature we would like to talk about





subject

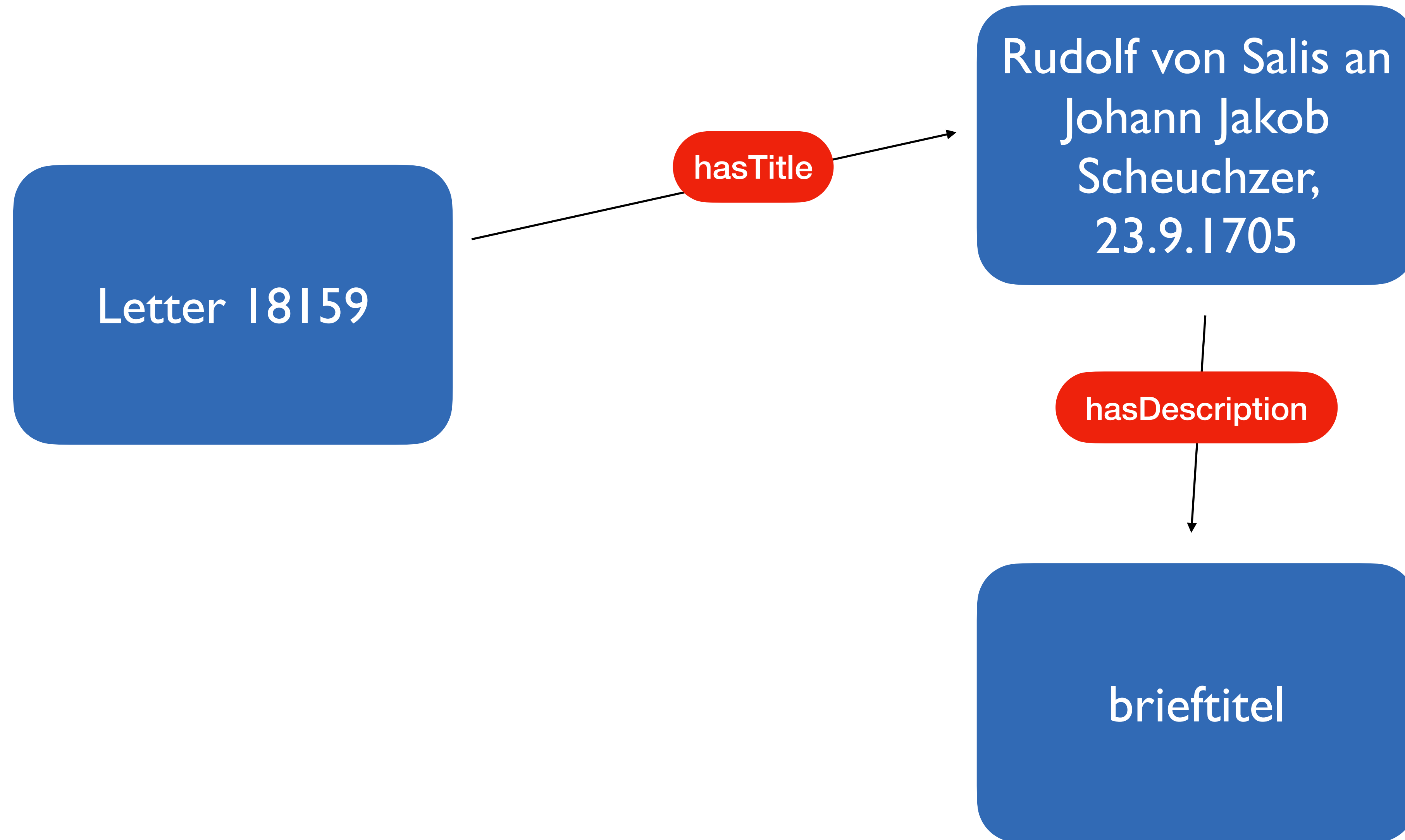
object

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hal:lodPublished="true">

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    <fileDesc>
      <titleStmt>
        <title n="sn_14.000.001" hal:desc="briefftitel">Rudolf von Salis an Johann Jakob
Scheuchzer, 23.9.1705</title>
        <author n="sn_14.001.000" hal:desc="briefe_verf" key="person_24013">Salis, Rudolf von
(1652-1735)</author>
      </titleStmt>
    </fileDesc>
  </teiHeader>

```

predicate



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https://docs.google.com/spreadsheets/d/1ZCp0G8nmztIJB.../

Metadati Buon fresco Share

File Edit View Insert Format Data Tools Add-ons Help Last edit was seconds ago

100% \$ % .0 .00 123 Default (Ari... 10 B I S A [Grid] [List] [Table] [Chart] [Filter] [Sum] ^

B51 fx San Francesco rinuncia ai beni terreni

	A	B	C	D	E	F	G
1	id	Panel ita	Panel eng	detail iconografico	superoggetto iconografico	Reference	Reference A Symbol
49		Confessione della donna resuscitata					
50							
51	2d95dc0-a9c0-4c31-8e0a-da434b40773d	San Francesco rinuncia ai beni terreni	Renunciation of Worldly Goods	window sill	domestic interior	Quale Francesco	Frugoni
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57	b4335e30-0741-4187-acdb-7e5e369b5ea7	San Francesco davanti al Sultano	Saint Francis before the Sultan	wing	mountain	Quale Francesco	Frugoni

position

Metadati metadati-work panels testo Cosa Explore

Position:

`/TEI/teiHeader[1]/fileDesc[1]/titleStmt[1]/title[1]/text()`

```
<TEI xmlns="http://www.tei-c.org/ns/1.0" xmlns:hal="http://www.haller.unibe.ch/ns/1.0"
xml:base="https://hallernet.org/" xml:id="letter_18159" hal:oxygenFramework="true"
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  <teiHeader>
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        <title n="sn_14.000.001" hal:desc="brieftitel">Rudolf von Salis an Johann Jakob
Scheuchzer, 23.9.1705</title>
        <author n="sn_14.001.000" hal:desc="briefe_verf" key="person_24013">Salis, Rudolf von
(1652-1735)</author>
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    </fileDesc>
  </teiHeader>

```

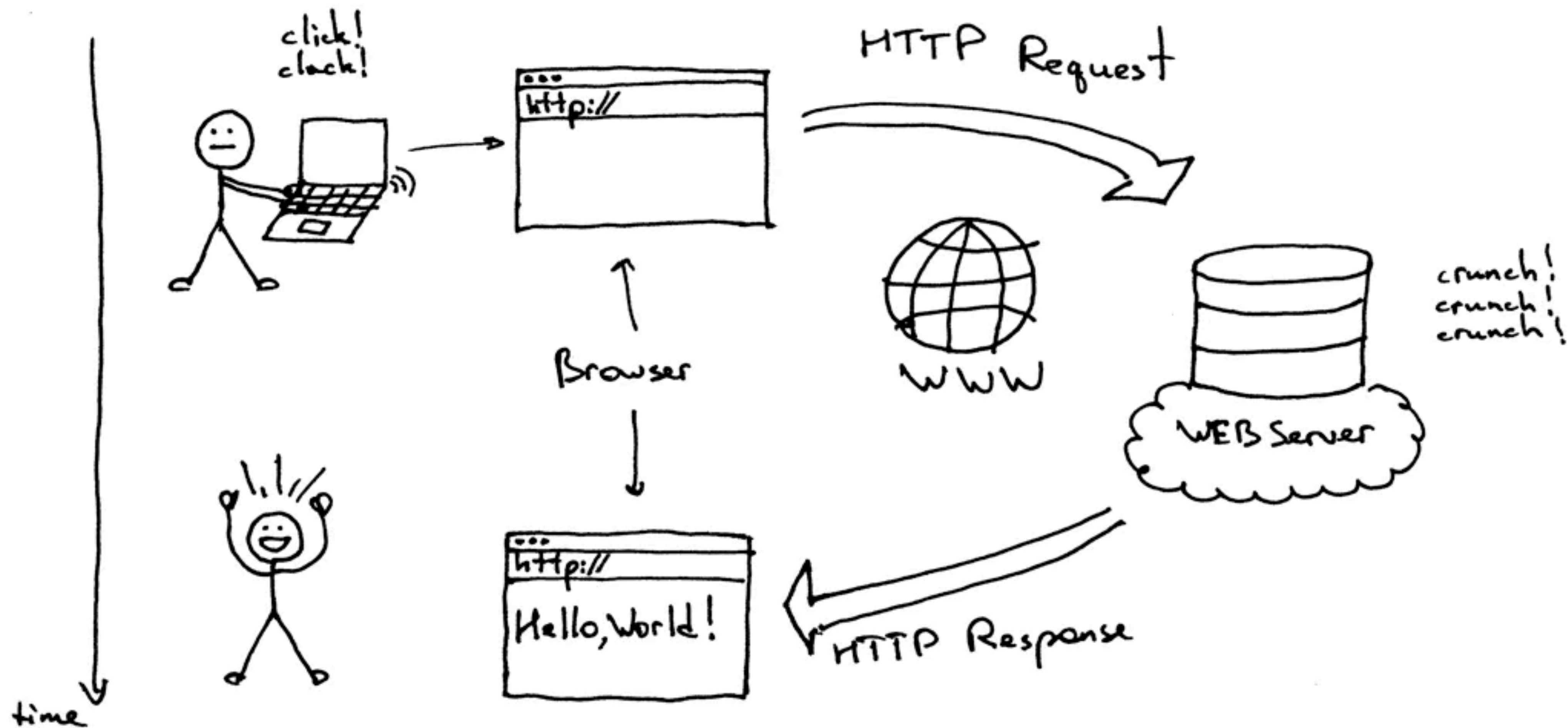


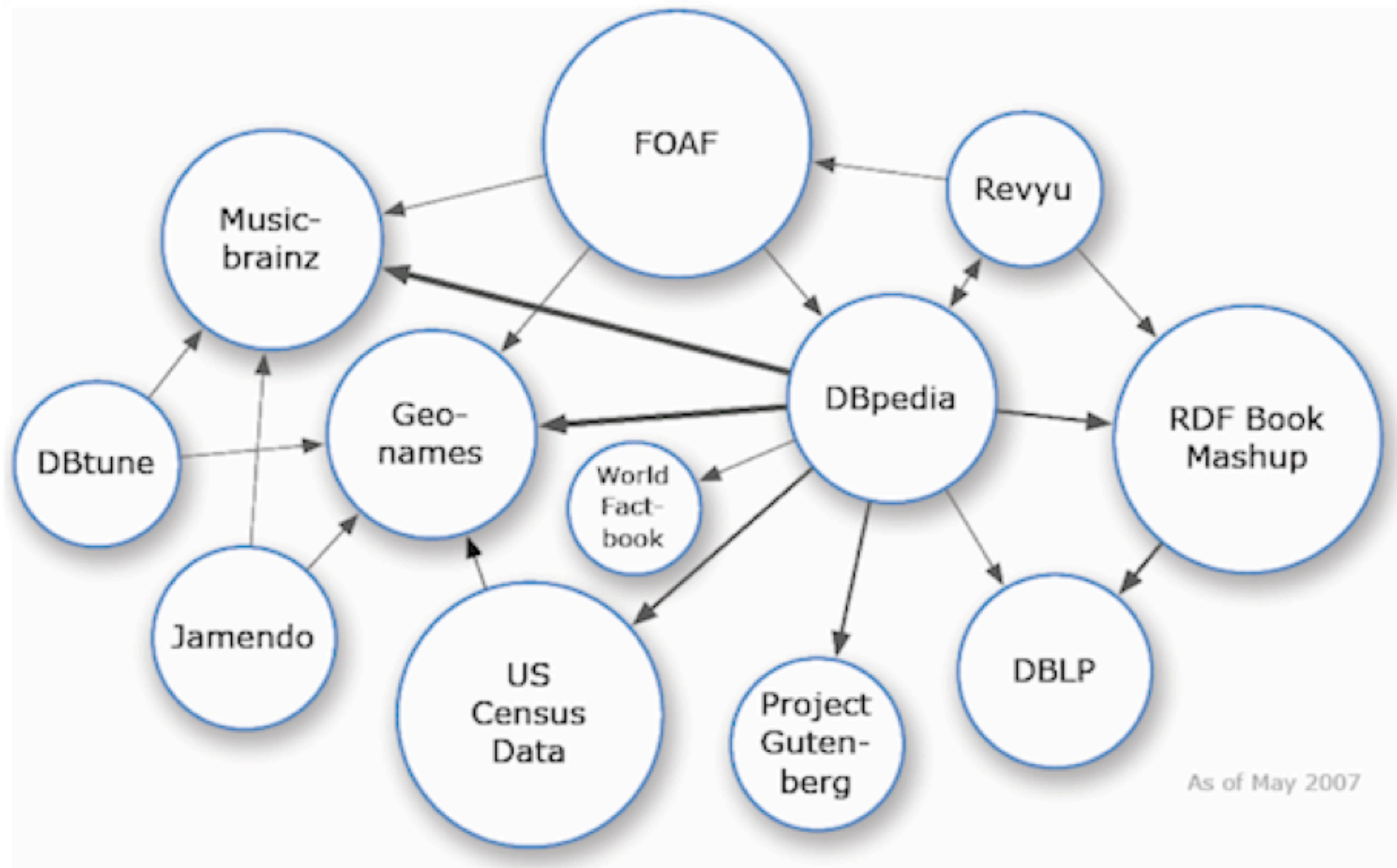
URI / IRI

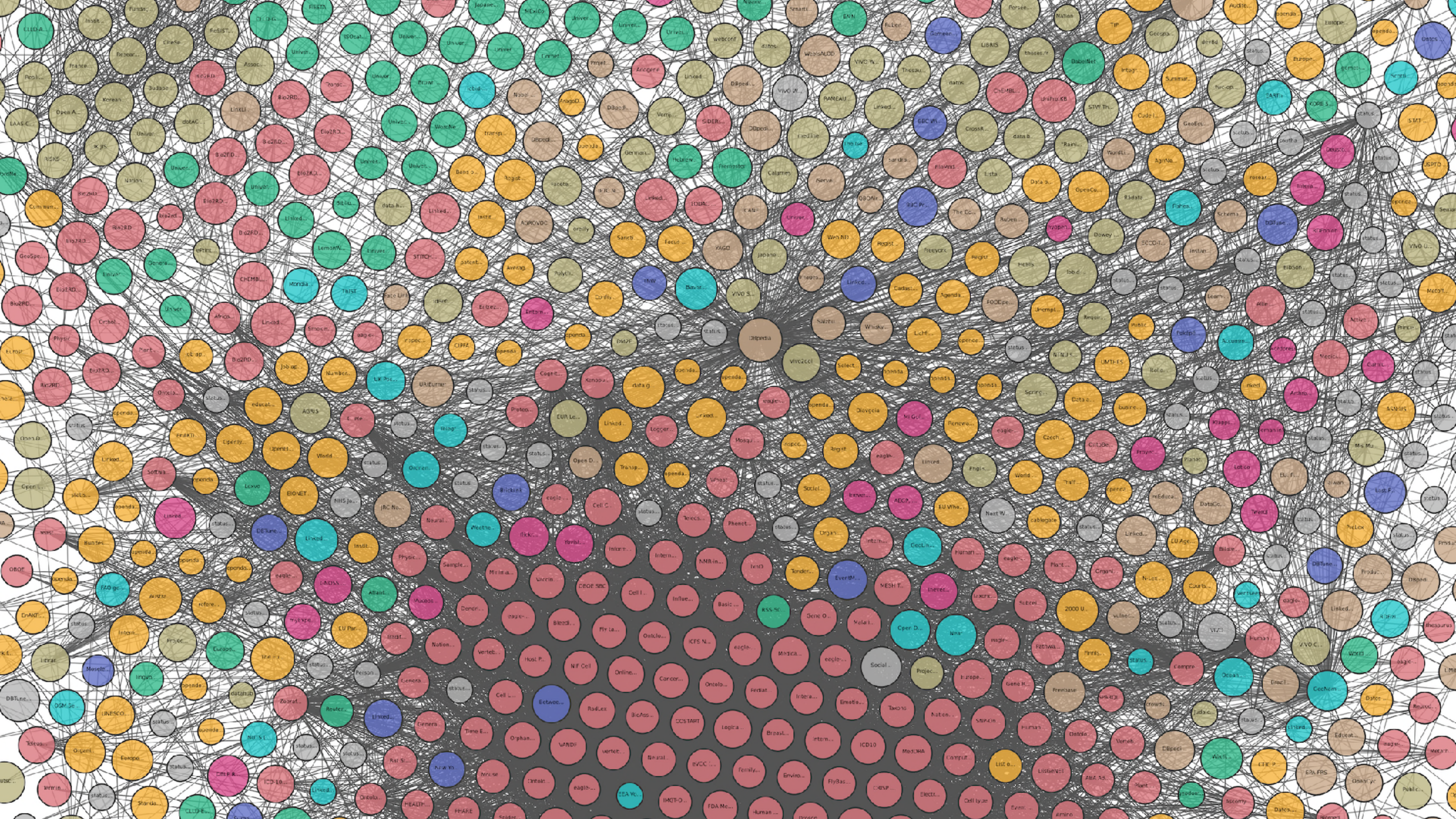
072e7d70-8403-46d3-b116-1901b07c67a0	Saluto di santa Chiara e delle sue compagne a San Francesco	Giotto?
0ab06522-d46f-4319-847c-8c58564bccd4	Canonizzazione di san Francesco	Giotto?
bb0a836c-a444-4981-817c-fb25bec8bb84	San Francesco appare a Gregorio IX	Giotto?
12f83e89-a78c-4eb4-b76b-3f9fb71d823f	Guarigione dell'uomo di Lleida	Giotto?
ff9961b3-7670-48c6-967d-e756d697565f	Confessione della donna resuscitata	Giotto?
6306dbdc-27de-4ecb-82d8-be9783138ad8	San Francesco libera l'eretico Pietro di Alife	Giotto?

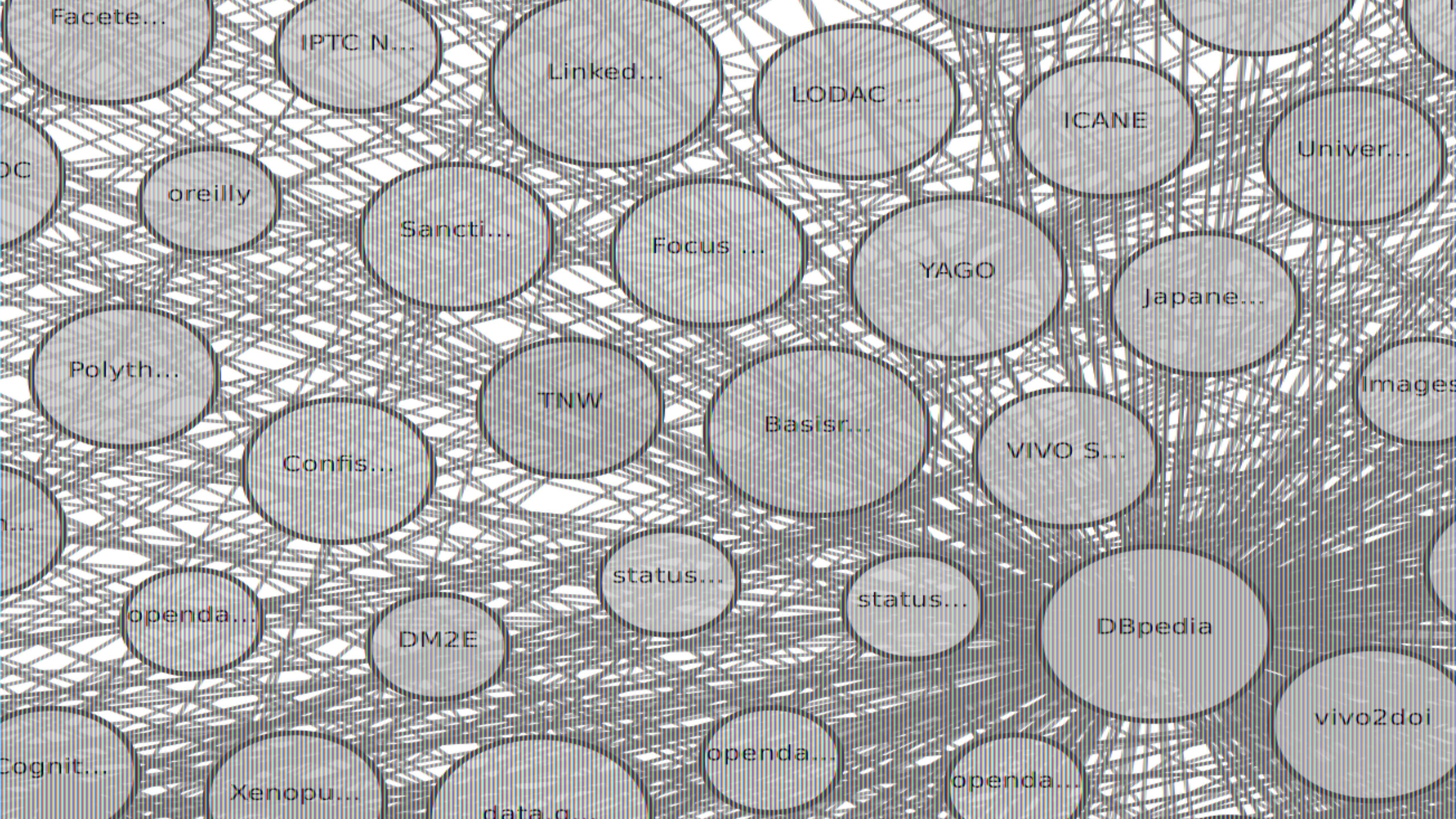
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<http://lod.unige.ch/buonfresco/appellation/Q7814>









SUBJECT

PREDICATE

OBJECT

Confession of a Woman Raised from the Dead

was made by

Giotto

Confession of a Woman Raised from the Dead

illustrates

“Nel borgo di Monte Marano, presso Benevento era morta una donna particolarmente devota di san Francesco....”

Confession of a Woman Raised from the Dead

<http://lod.unige.ch/buonfresco/physical/fd4c5ec2-27c4-4f2b-ae92-8e3e71864867>

<http://lod.unige.ch/buonfresco/Q7814>

Giotto

Confession of a Woman Raised from the Dead

<http://lod.unige.ch/buonfresco/physical/fd4c5ec2-27c4-4f2b-ae92-8e3e71864867>

made by

<http://lod.unige.ch/buonfresco/Q7814>

Giotto

Confession of a Woman Raised from the Dead

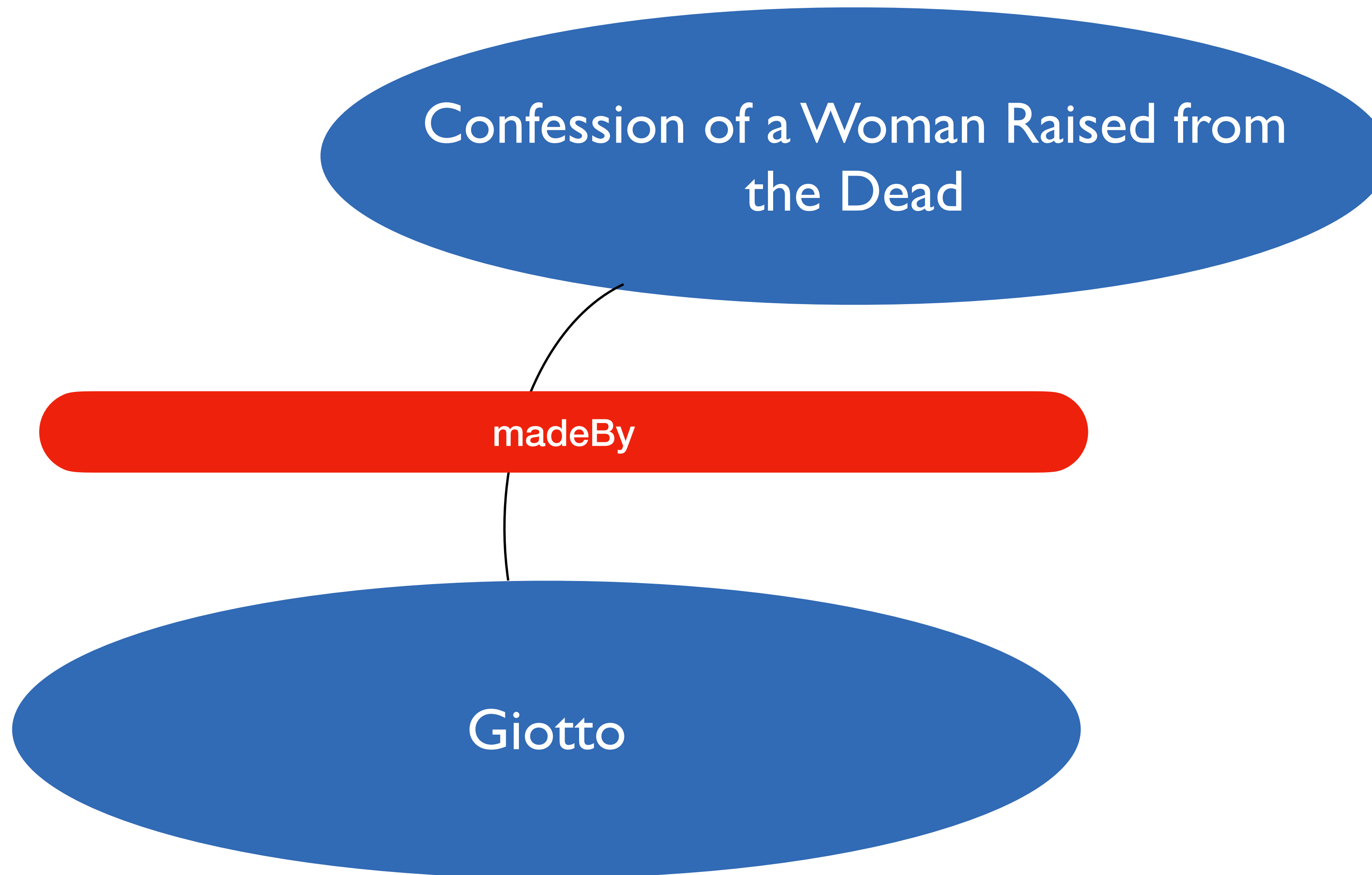
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madeBy

<http://lod.unige.ch/buonfresco/Q7814>

Giotto



SUBJECT

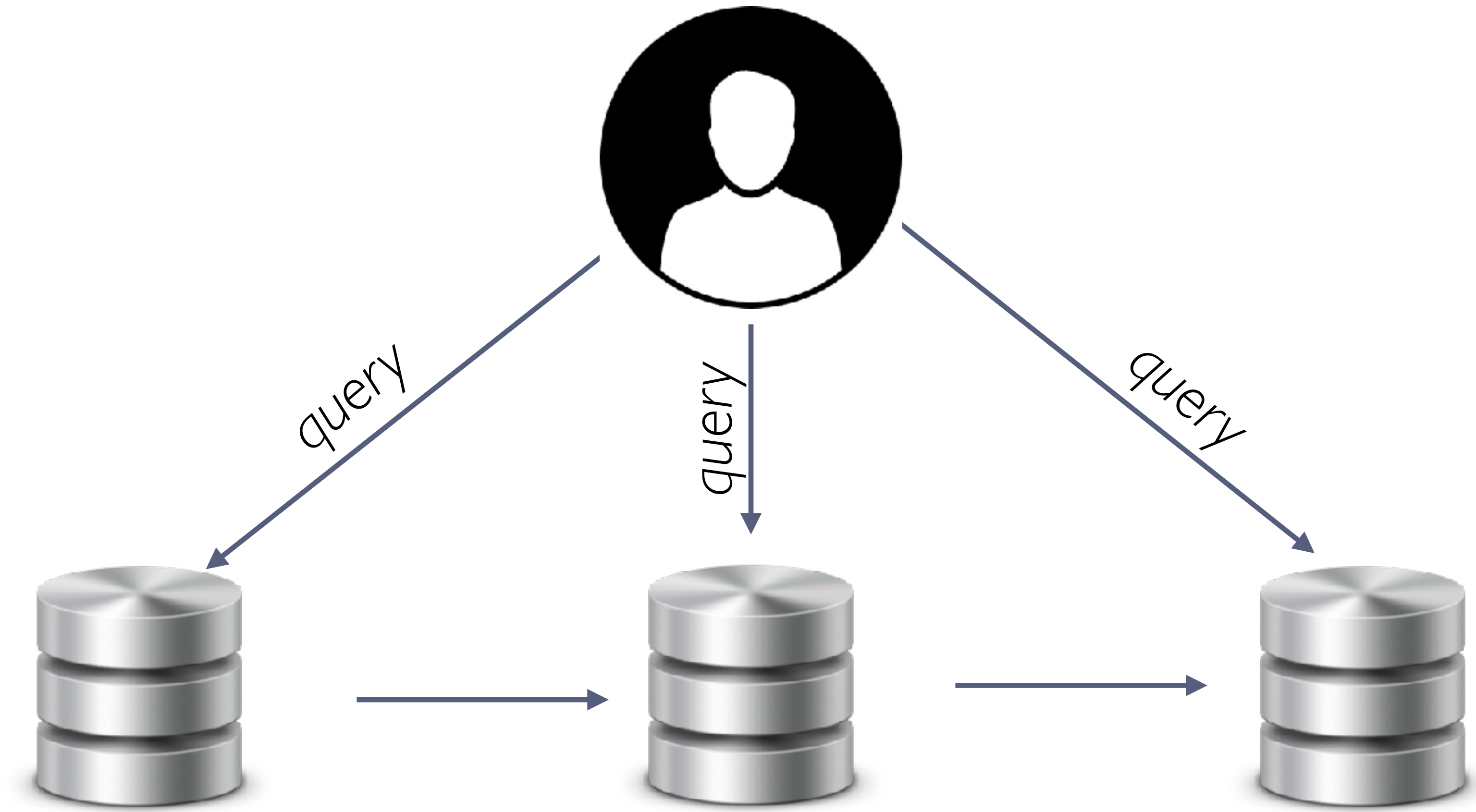
Confession of a Woman Raised from the Dead

madeBy

PREDICATE

Giotto

OBJECT



072e7d70-8403-46d3-b116-1901b07c67a0	Saluto di santa Chiara e delle sue compagne a San Francesco	Giotto?
0ab06522-d46f-4319-847c-8c58564bccd4	Canonizzazione di san Francesco	Giotto?
bb0a836c-a444-4981-817c-fb25bec8bb84	San Francesco appare a Gregorio IX	Giotto?
12f83e89-a78c-4eb4-b76b-3f9fb71d823f	Guarigione dell'uomo di Lleida	Giotto?
ff9961b3-7670-48c6-967d-e756d697565f	Confessione della donna resuscitata	Giotto?
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ff9961b3-7670-48c6-967d-e756d697565f	<p>Nel borgo di edit Monte Marano, presso Benevento era morta una donna particolarmente devota di san Francesco. La sera vennero i chierici per le esequie e già si apprestavano a celebrare la veglia con la recita dei salmi</p>	<p>Legend of St Francis: 27. Confession of a Woman Raised from the Dead</p> <p>Choose new match</p>	<p>Legend of St Francis: 27. Confession of a Woman Raised from the Dead</p>	Q3686621				
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[http://lod.unige.ch/buonfresco/physical/
fd4c5ec2-27c4-4f2b-ae92-8e3e71864867](http://lod.unige.ch/buonfresco/physical/fd4c5ec2-27c4-4f2b-ae92-8e3e71864867)

<http://lod.unige.ch/buonfresco/madeBy>

<http://lod.unige.ch/buonfresco/Q7814>

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SUBJECT

Confession of a Woman Raised from the Dead

PREDICATE

hasDescription

madeBy

PREDICATE

Giotto

Nel borgo di Monte Marano, presso Benevento era morta una donna particolarmente devota di san Francesco. La sera vennero i chierici per le esequie e già apprestavano a celebrare la veglia con la recita dei salmi quando improvvisamente, alla vista di tutti, la donna si alzò sul letto e chiamò i sacerdoti presenti, che era il suo padrino, e gli disse: \"Padre, voglio confessarmi. Ascolta il mio peccato. Quando sono morta, io dovevo essere gettata in un'isoletta di prigione, perché non avevo confessato il peccato che sto per dirti. Ma per favore pregato san Francesco, che durante la vita ho sempre servito con devozione, mi è stato concesso di ritornare ora nel corpo, per confessare quel peccato e meritarmi la vita eterna. Dopo che lo avrò confessato, ecco, mi affrettate a darmi la pace promessa\". Tremando si confessò al sacerdote tremante, e ricevuta l'assoluzione, si stese in pace sul suo letto e s'addormentò felicemente nel Signore

OBJECT

OBJECT

SUBJECT

PREDICATE

OBJECT

Confession of a Woman Raised from the Dead

was made by

Giotto

Confession of a Woman Raised from the Dead

illustrates

“Nel borgo di Monte Marano, presso Benevento era morta una donna particolarmente devota di san Francesco....”

RDF: Resource Description Framework

- RDF is based on the idea of identifying things using Web identifiers (called Uniform Resource Identifiers, or URIs), and describing resources.
- A resource can be identified as a “thing” we want to talk about: a place, a person, a name, a webpage etc.
- Properties describe relationships between resource
- A statement about those resources is composed as triple in the form of `<subject, predicate, object>`

{Subject} + **{Predicate}** + **{Object}**



Nicola



isA



Person

Engine

isPartOf

Car

Things

hasProperty

Value

IRI

IRI

IRI

RDF: Resource Description Framework

- Subject have to be a URI
- Object can be a URI or a Literal (string)
- Predicate have to be URI

RDF: Resource Description Framework

- Predicates can be URI or Literals
- Literals are atomic values (strings or dates)
- A data type tells us whether we should interpret a value as string, a date, integer or some other type. It is recommend practice to use the data types defined by XML Schema
 - decimals - “1.23” `<http://www.w3.org/2001/XMLSchema#decimal>`
 - dates - “1982-08-30”^{^^}`<http://www.w3.org/2001/XMLSchema#date>`
 - String - “Giotto”

SUBJECT

Confession of a Woman Raised from the Dead

PREDICATE

hasDescription

madeBy

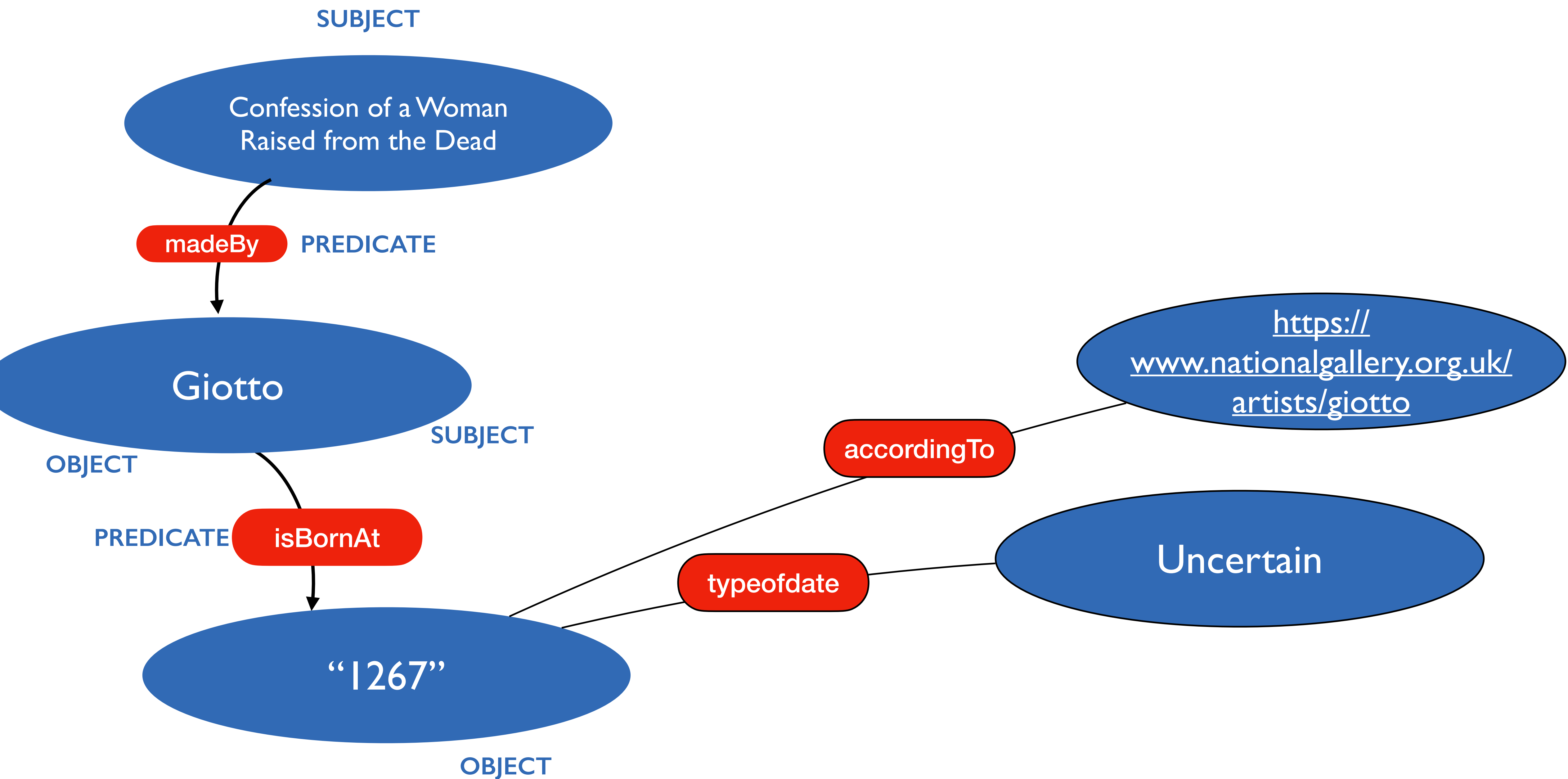
PREDICATE

Giotto

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OBJECT

OBJECT



SUBJECT

Confession of a Woman
Raised from the Dead

madeBy

PREDICATE

Giotto

SUBJECT

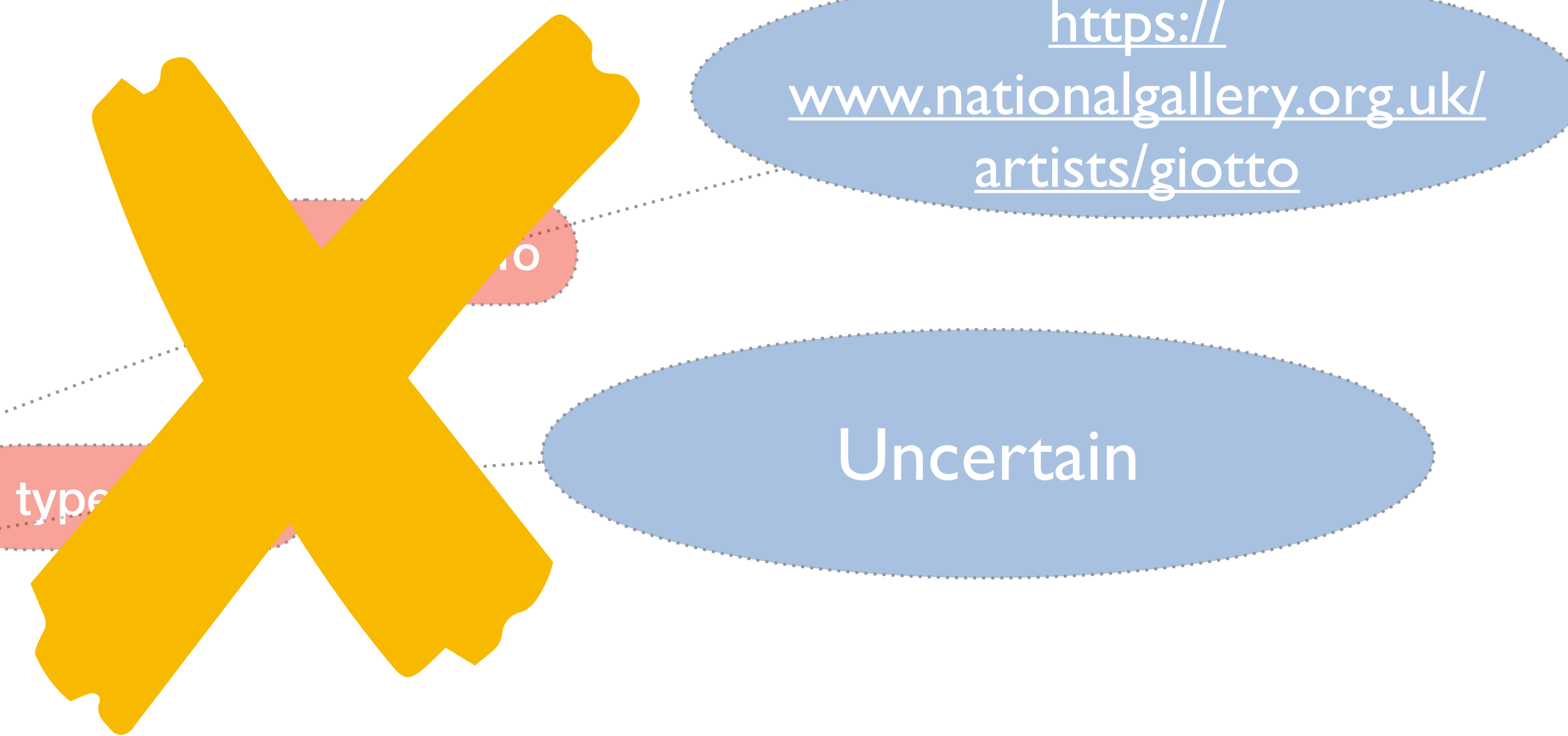
OBJECT

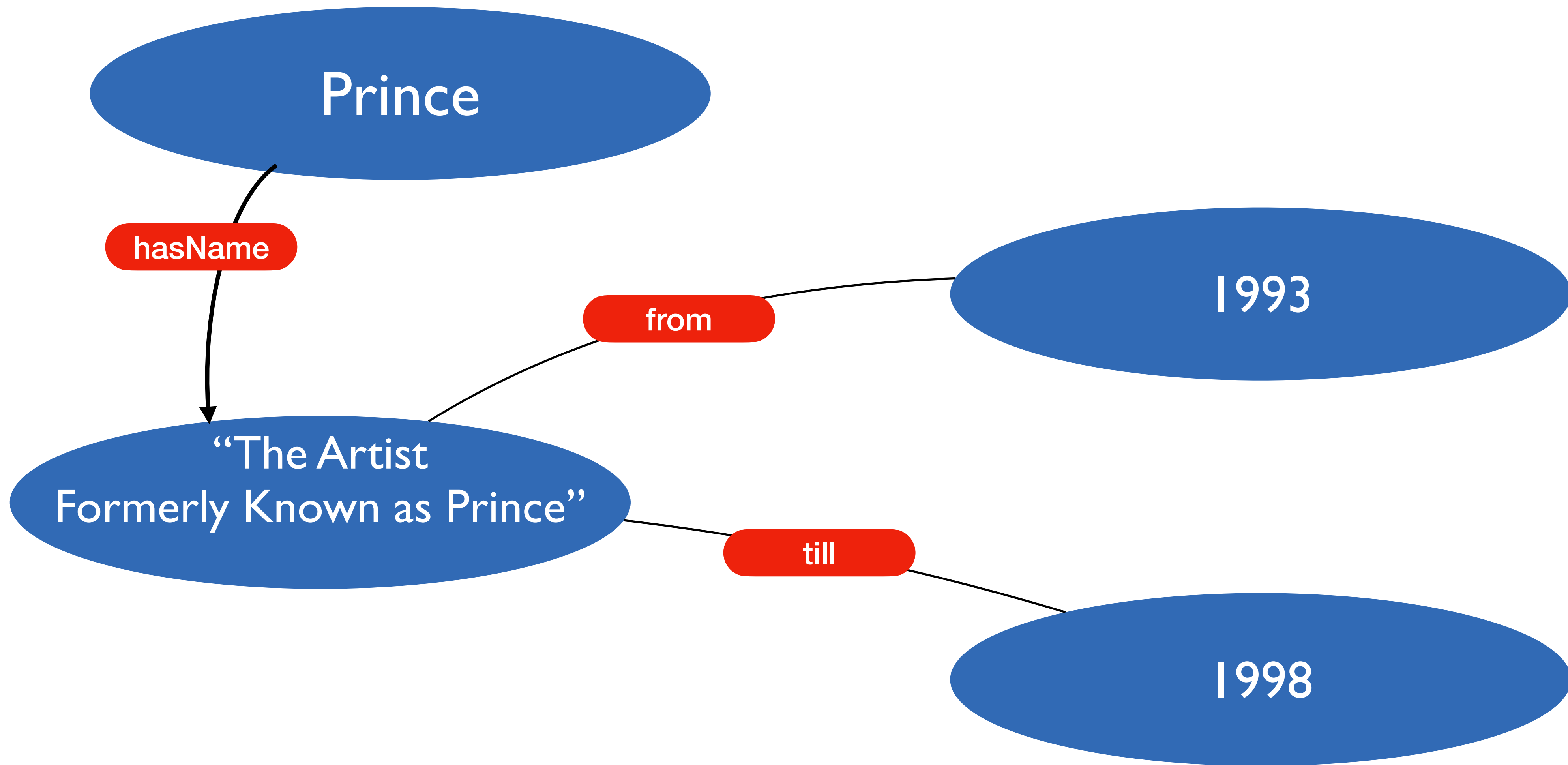
PREDICATE

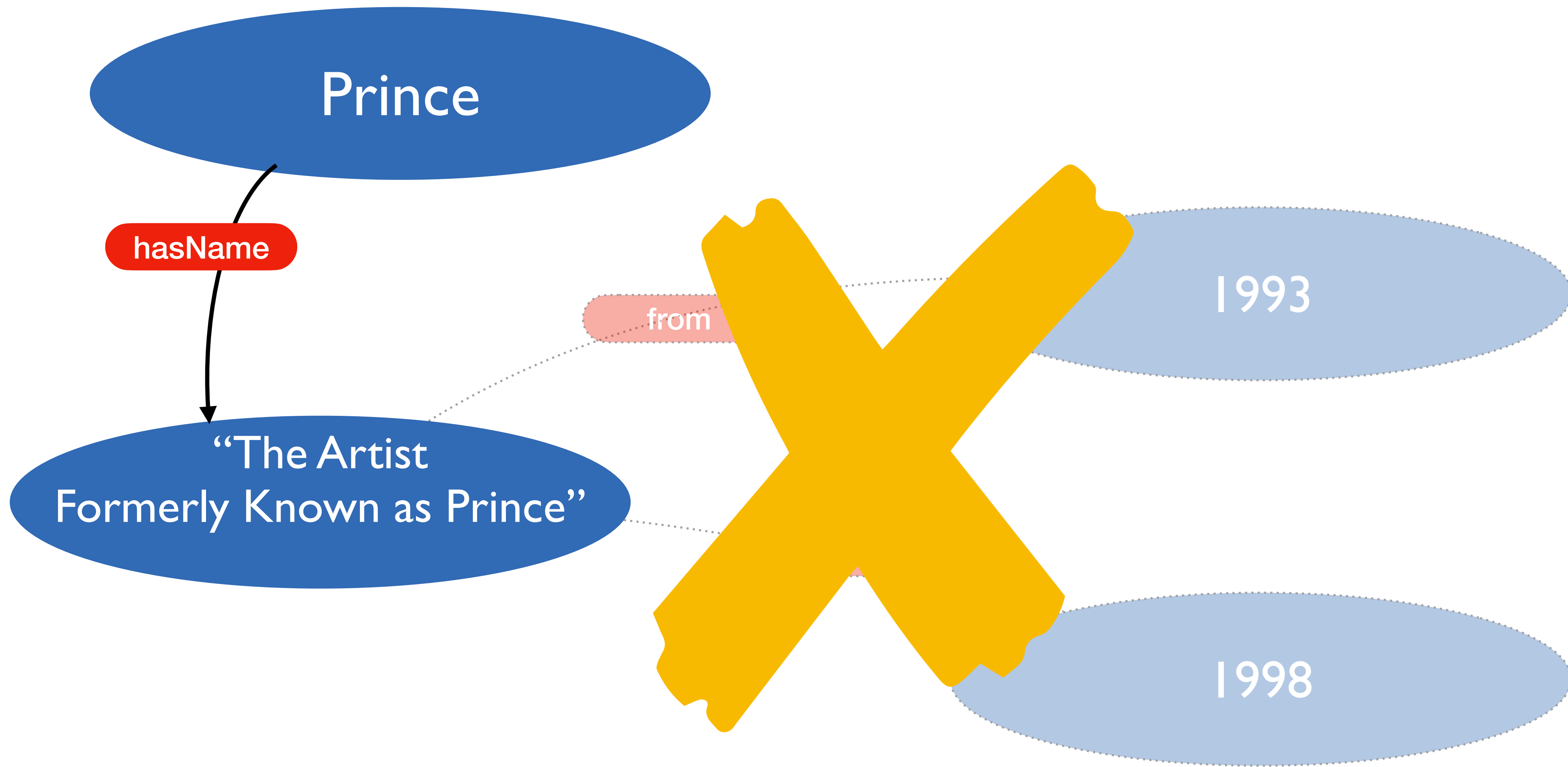
isBornAt

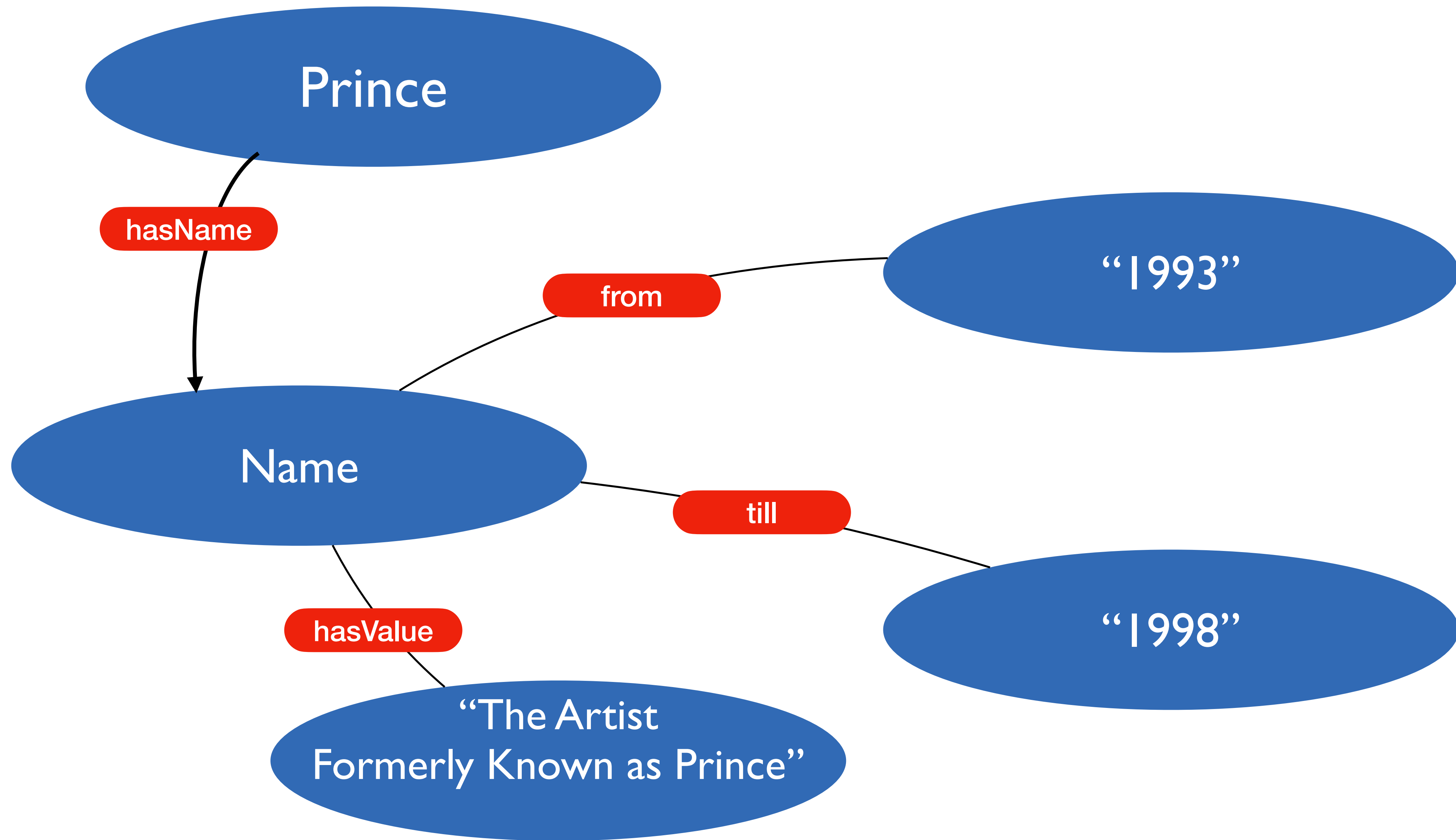
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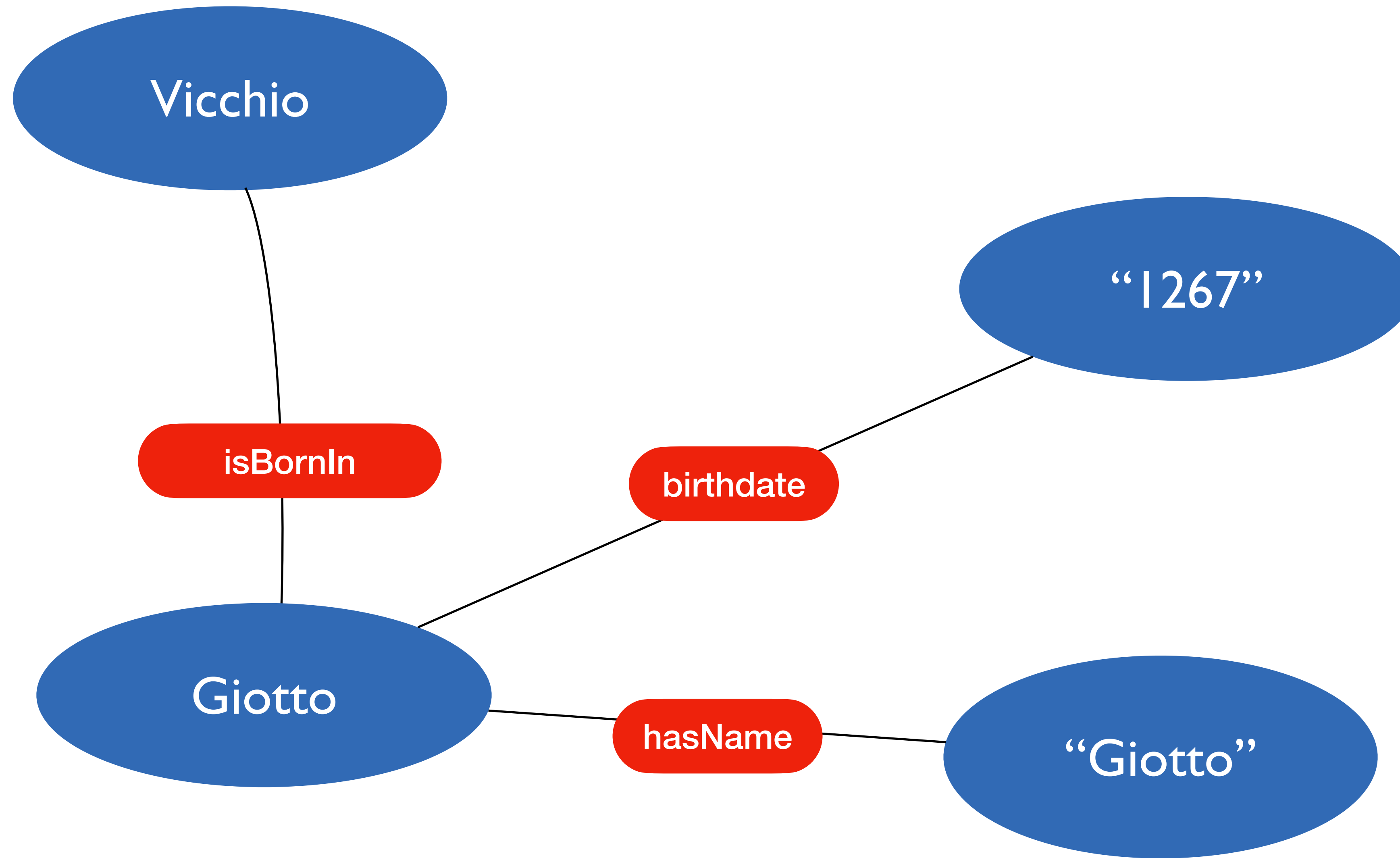
OBJECT

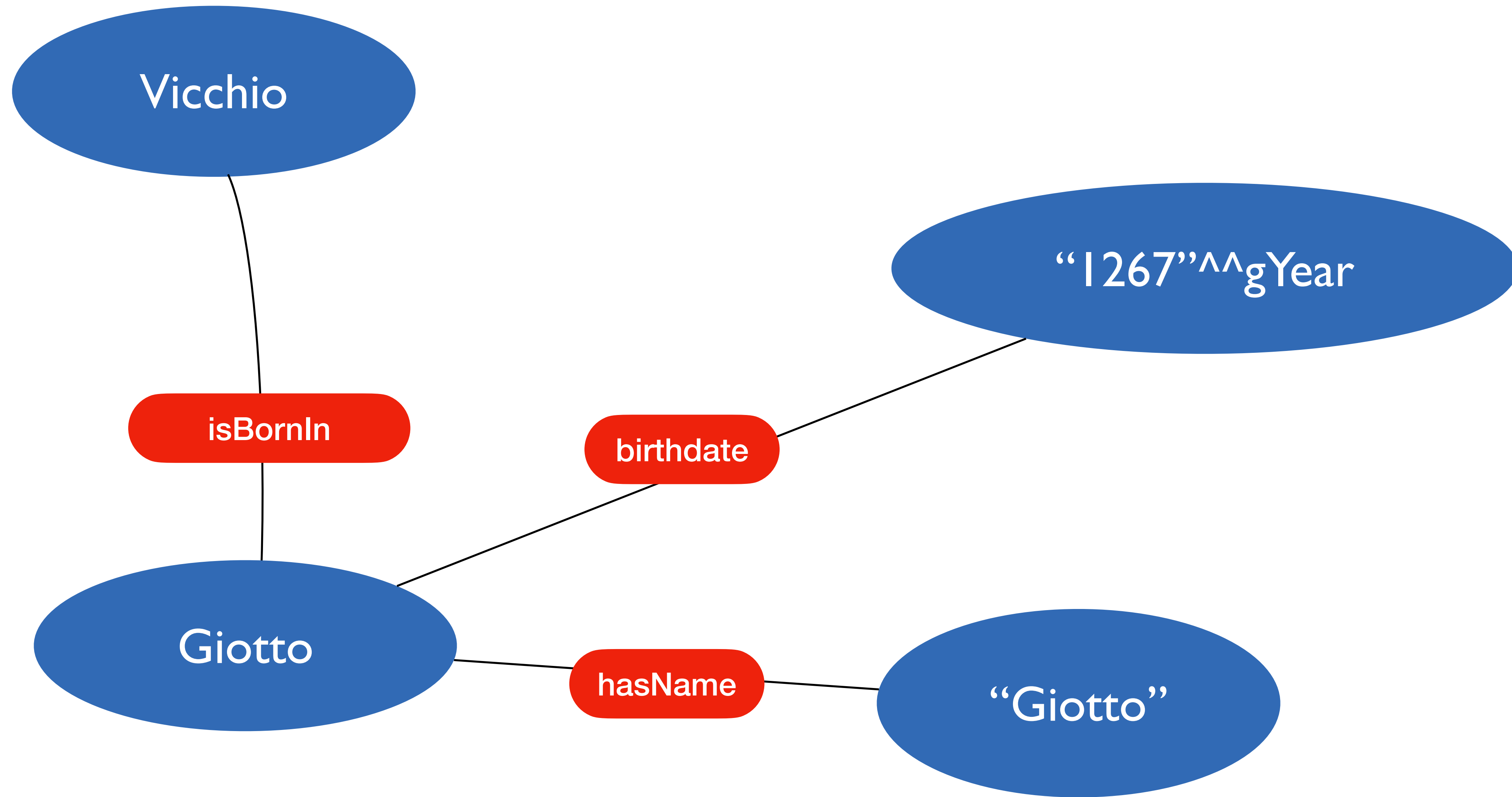


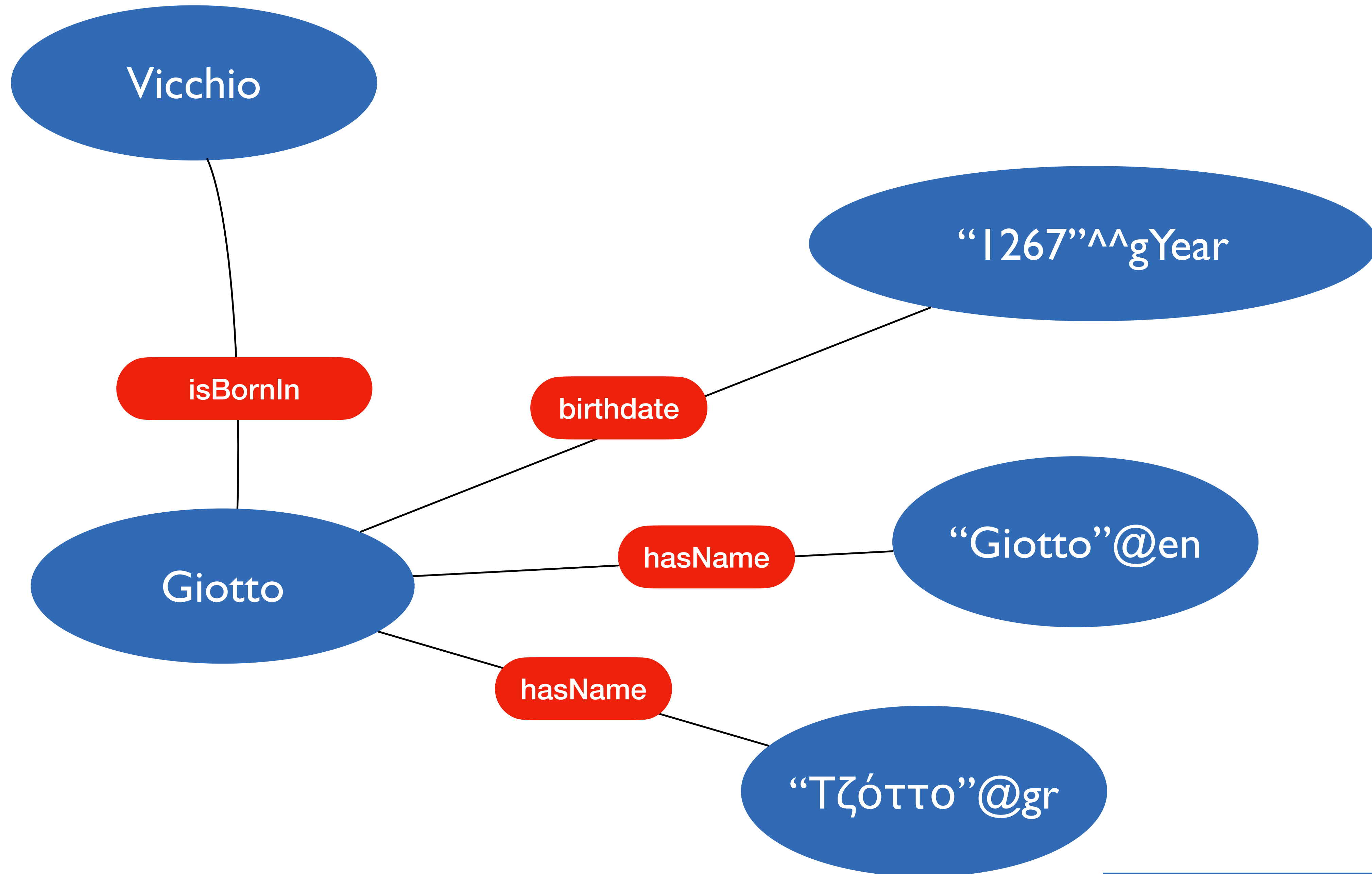


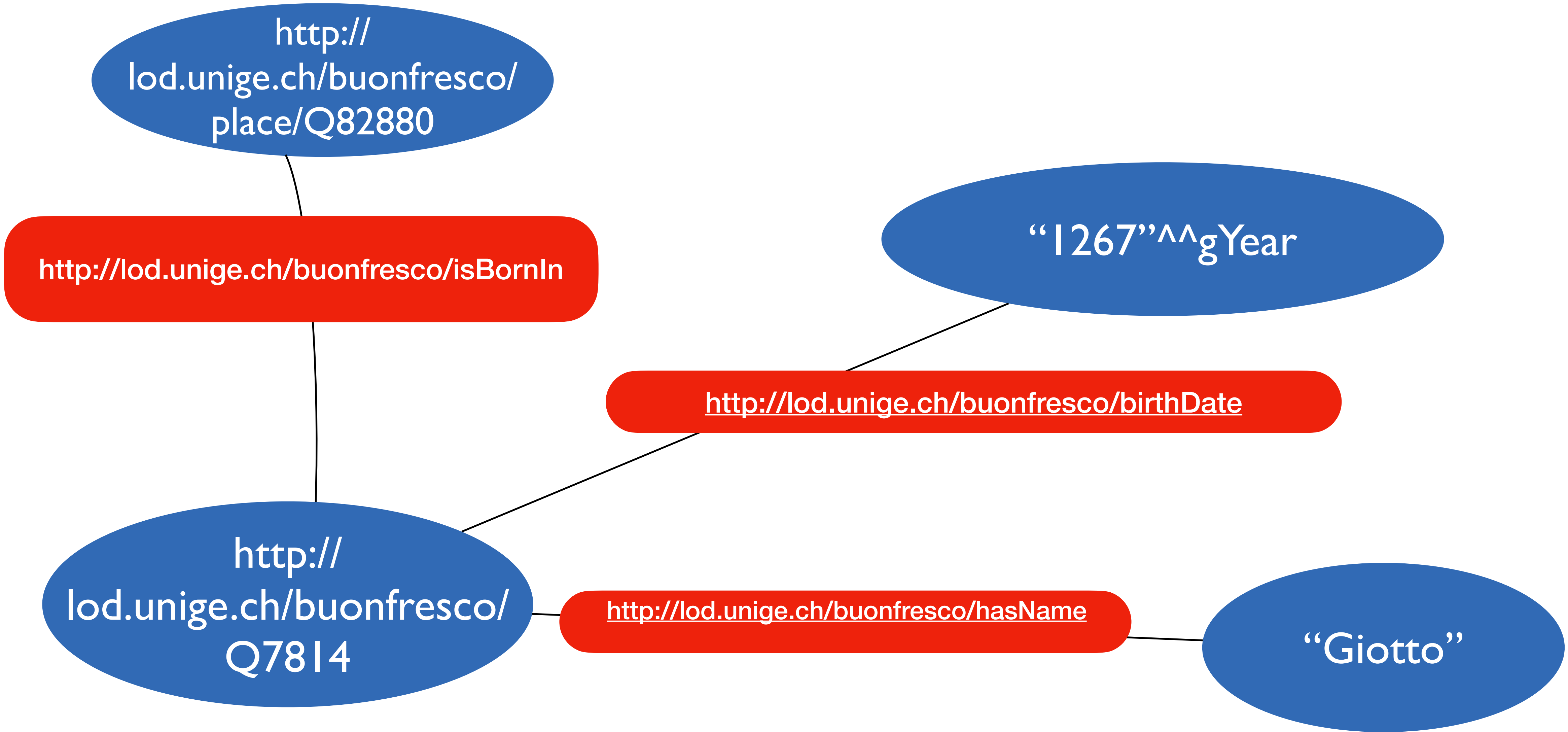






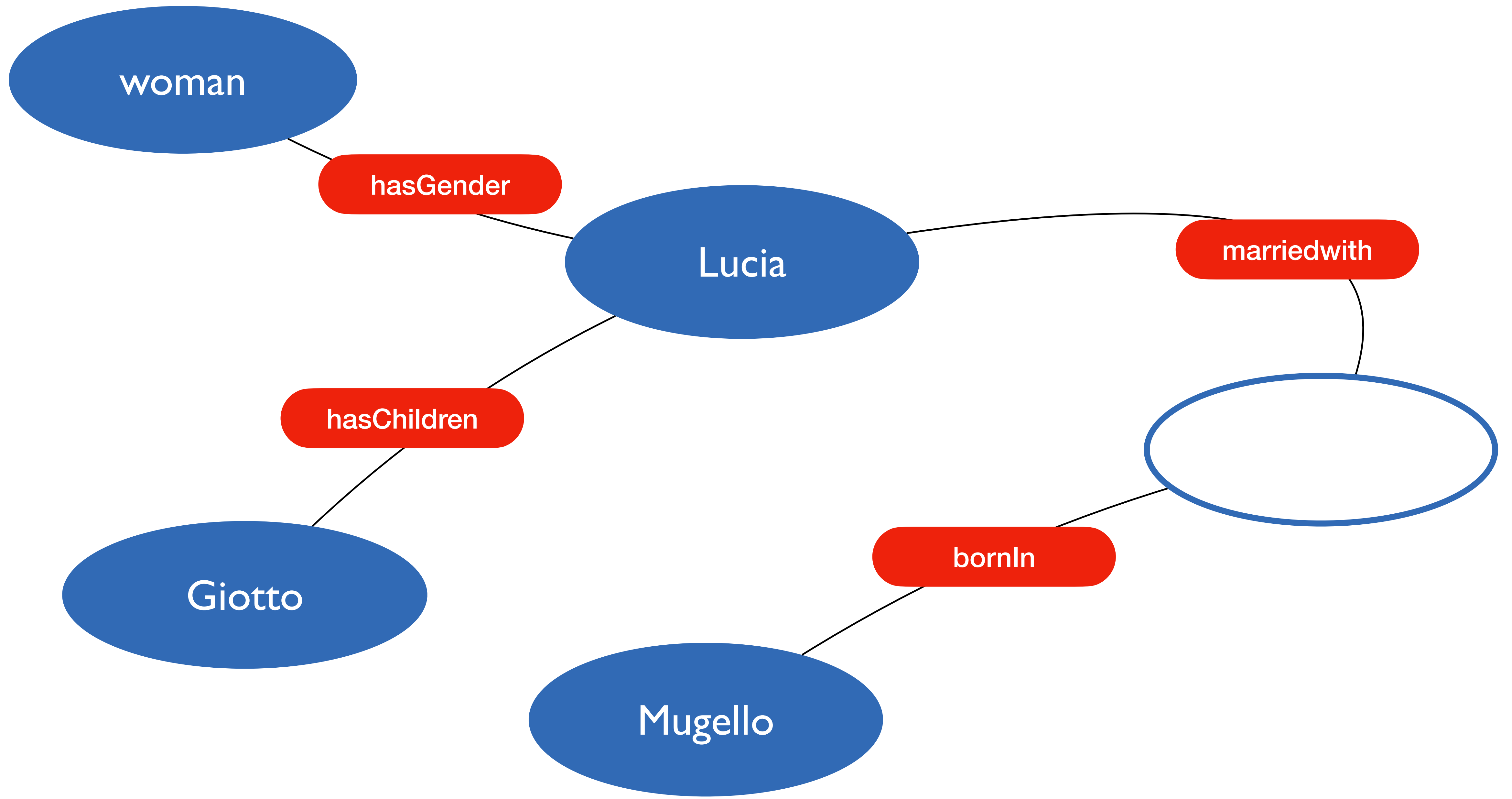






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RDF: Resource Description Framework

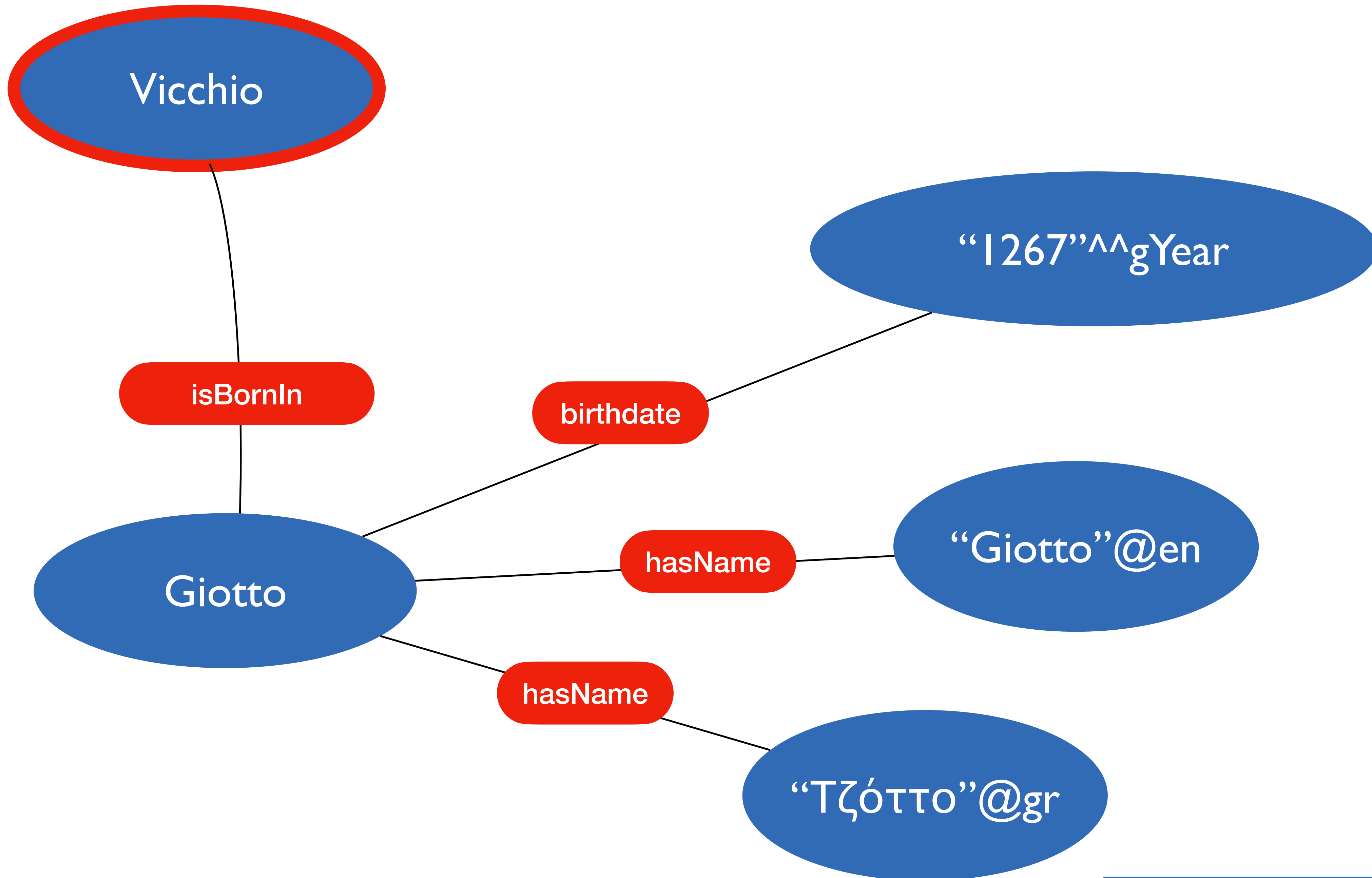
- Subject have to be a URI or a blank node
- Object can be a URI or a Literal (string) or a blank node
- Predicate have to be URI

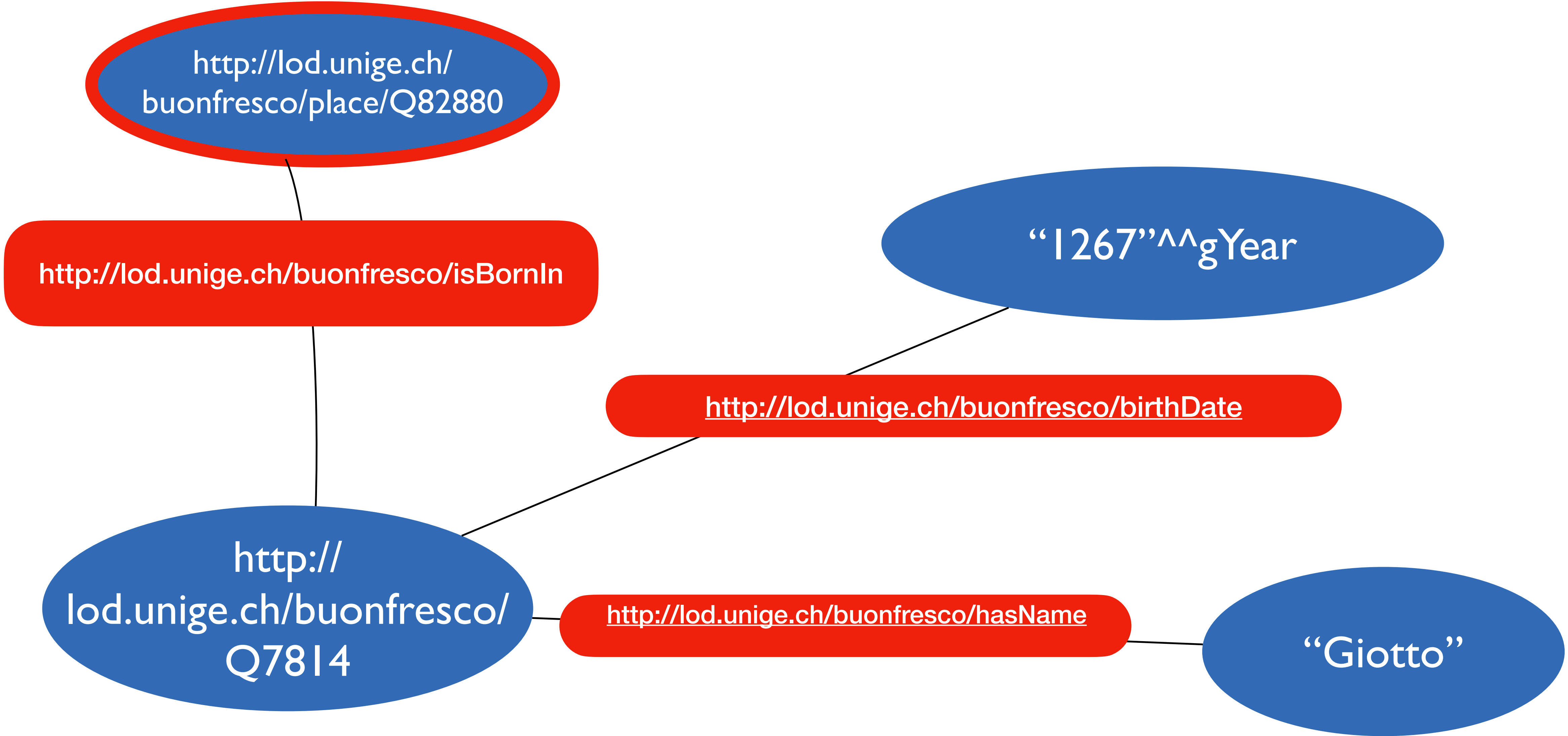
RDF: Resource Description Framework

- Blank nodes
- Subject and object can be blank nodes
- Blank nodes are difficult to work with
- Blank nodes are difficult to work with!
- Blank nodes are difficult to work with because it is difficult to refer to them outside the local data. How can we merge data with blank nodes?
We assign them fake identity.
- Please be kind, assign fake identity to blank nodes.

RDF

- Structure in triples <subject, predicate, object>
- concept of property (predicate)
- Using Literals
- reification...





[http://lod.unige.ch/
buonfresco/place/Q82880](http://lod.unige.ch/buonfresco/place/Q82880)



[http://lod.unige.ch/
buonfresco/place/Q82880](http://lod.unige.ch/buonfresco/place/Q82880)

[https://
sws.geonames.org/3164422/](https://sws.geonames.org/3164422/)



<http://lod.unige.ch/buonfresco/place/Q82880>

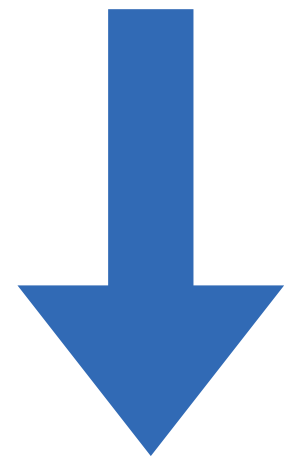
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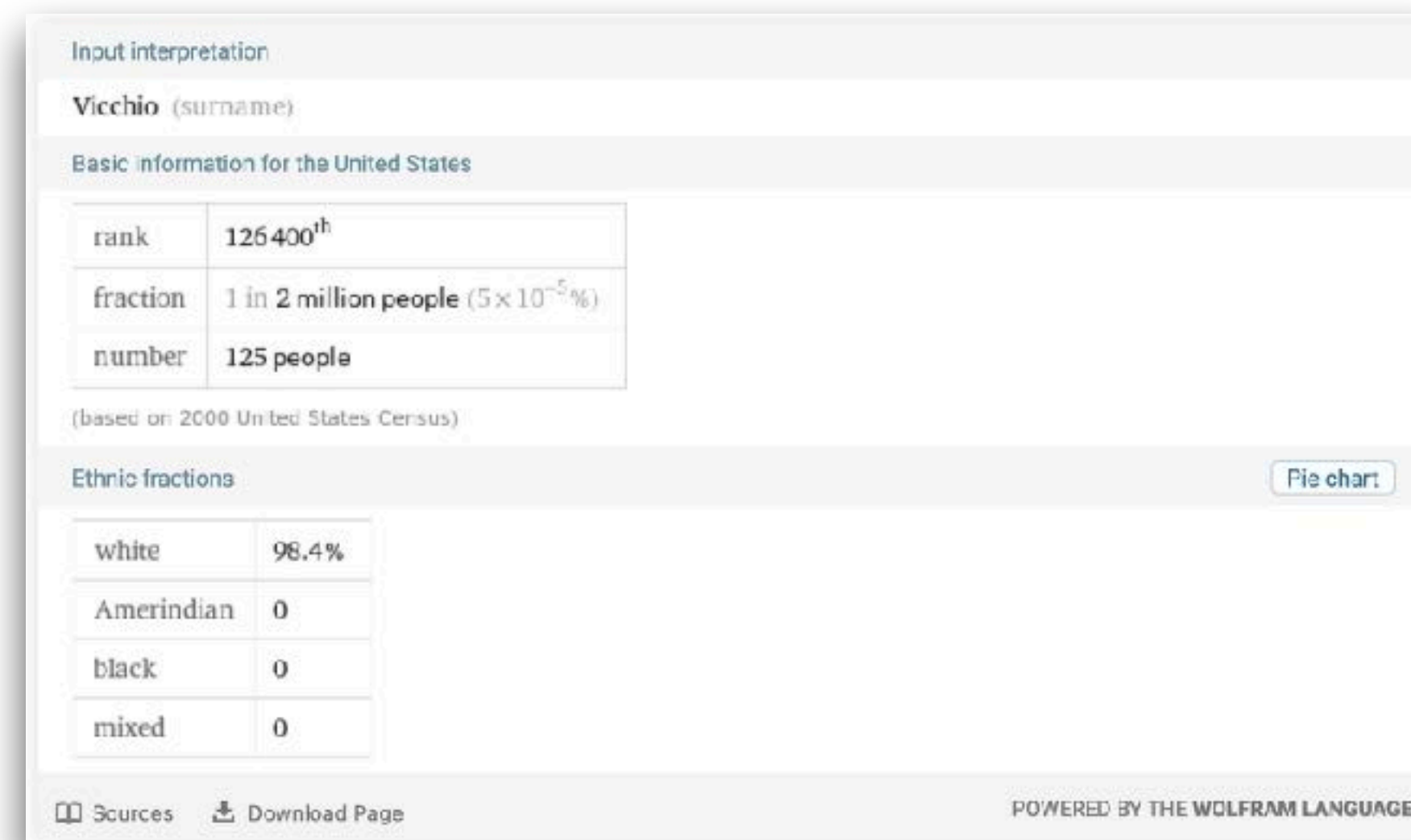
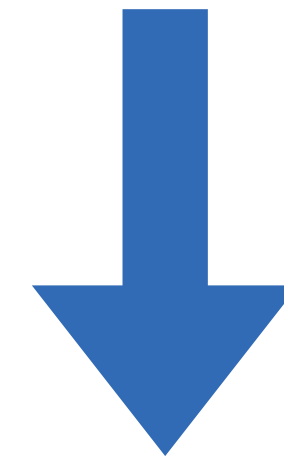


same

[http://lod.unige.ch/
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[http://
lod.unige.ch/buonfresco/
person/Q37567429](http://lod.unige.ch/buonfresco/person/Q37567429)



[http://lod.unige.ch/
buonfresco/place/Q82880](http://lod.unige.ch/buonfresco/place/Q82880)

<http://lod.unige.ch/buonfresco/indicate>

“place”@en

[http://
lod.unige.ch/buonfresco/
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<http://lod.unige.ch/buonfresco/indicate>

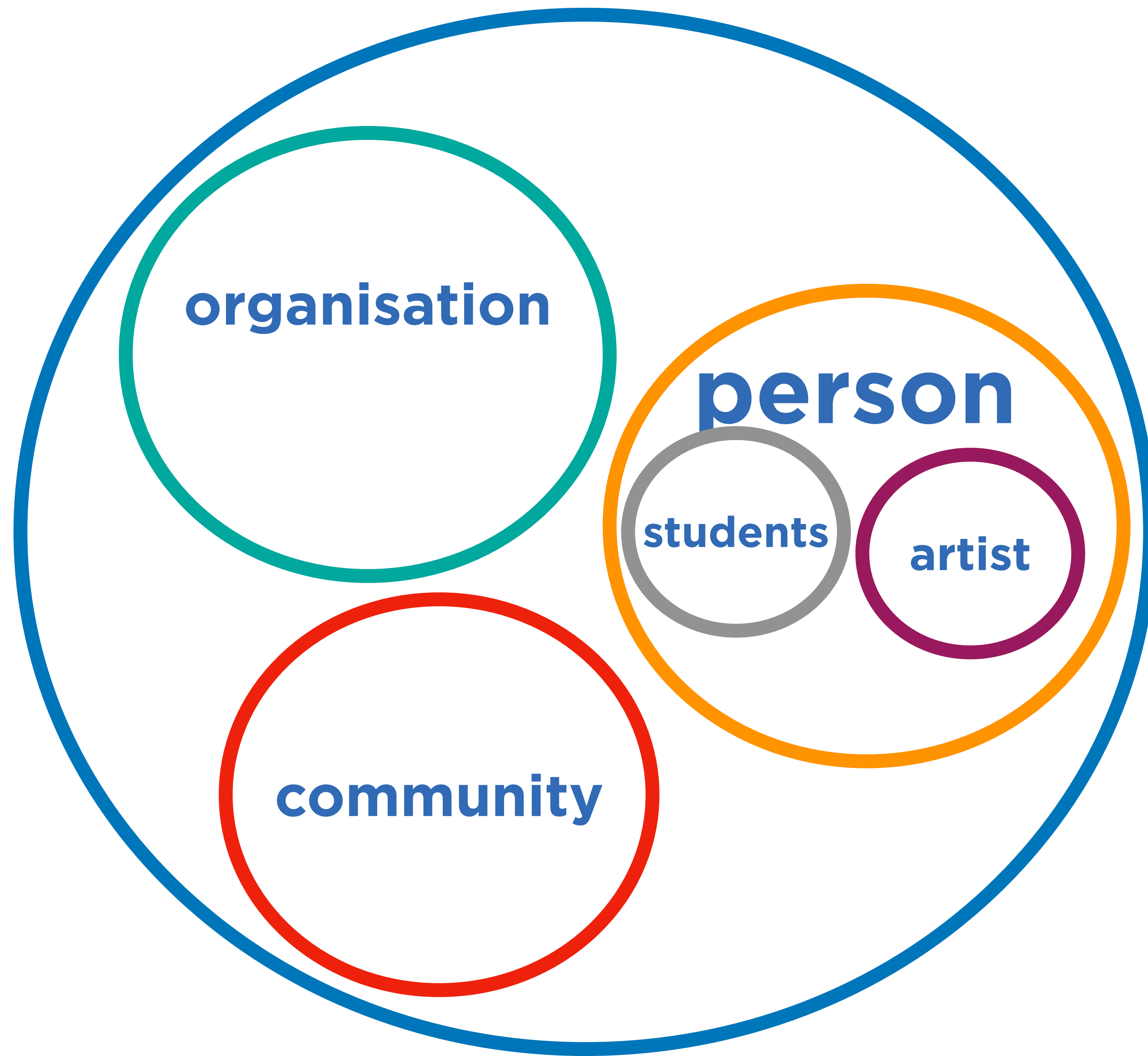
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@en

RDF Schema

RDFS

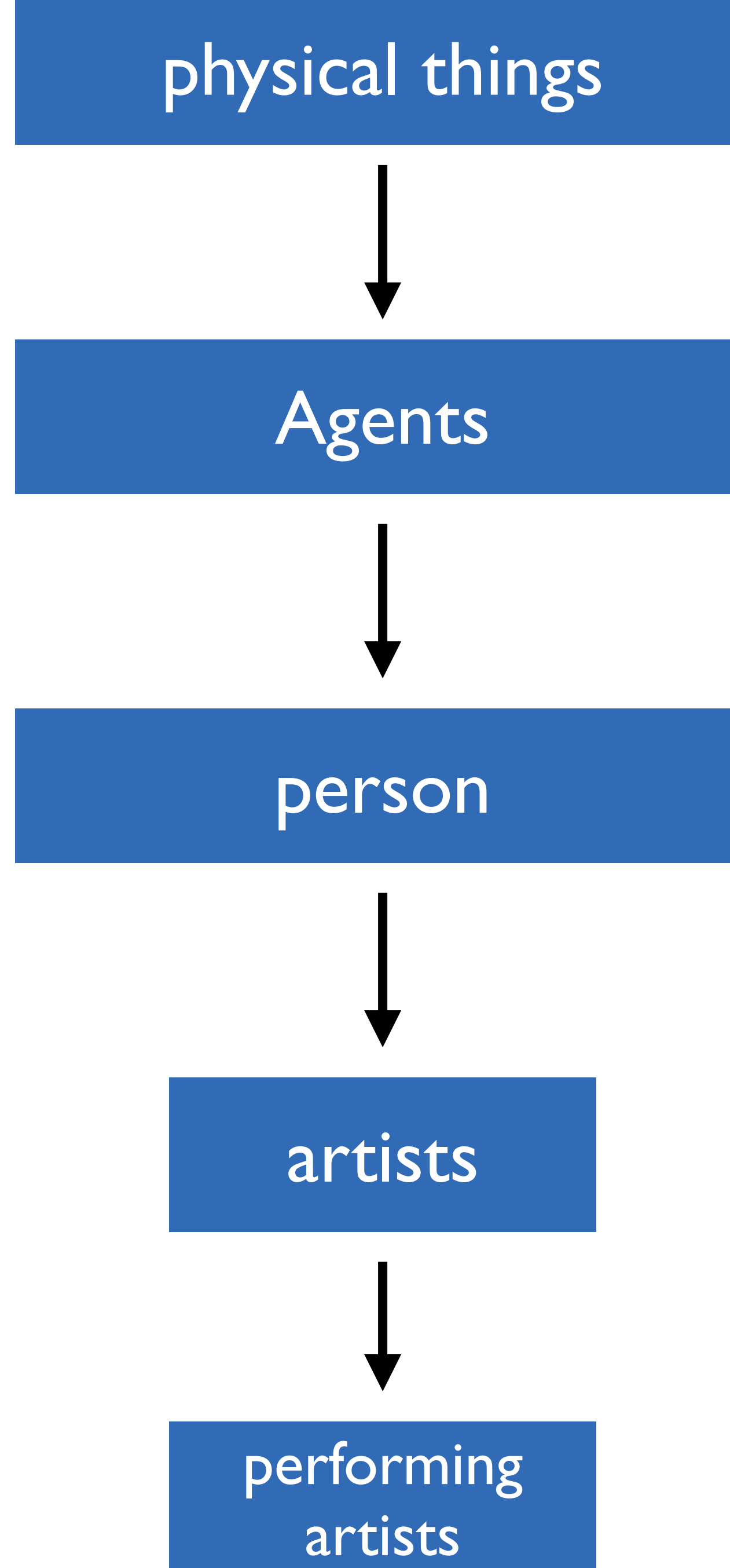
- **Classes**
- **Subclasses**
- Subproperty
- label
- range / domain

Agents



Agents





physical things



Agents



person

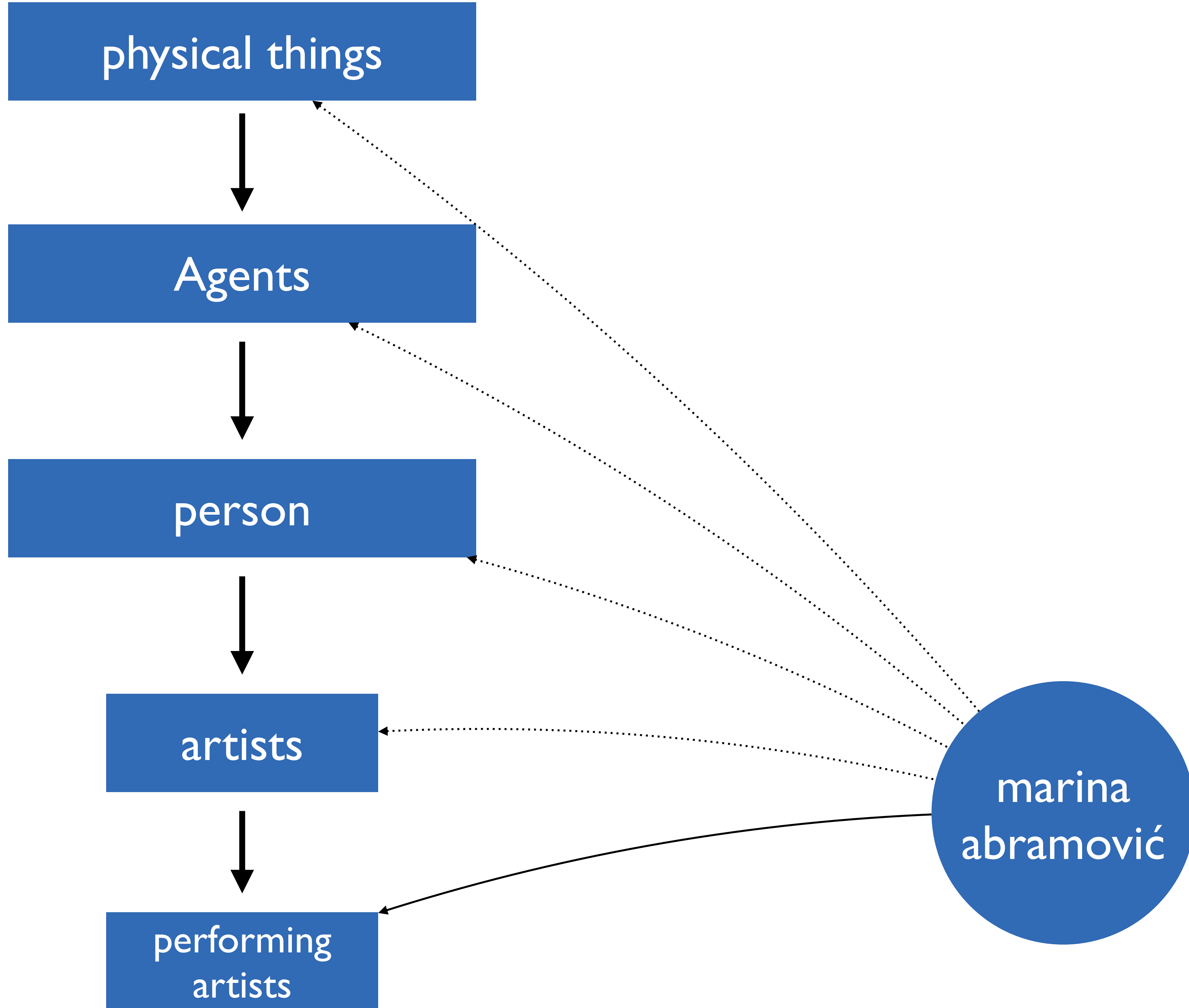


artists

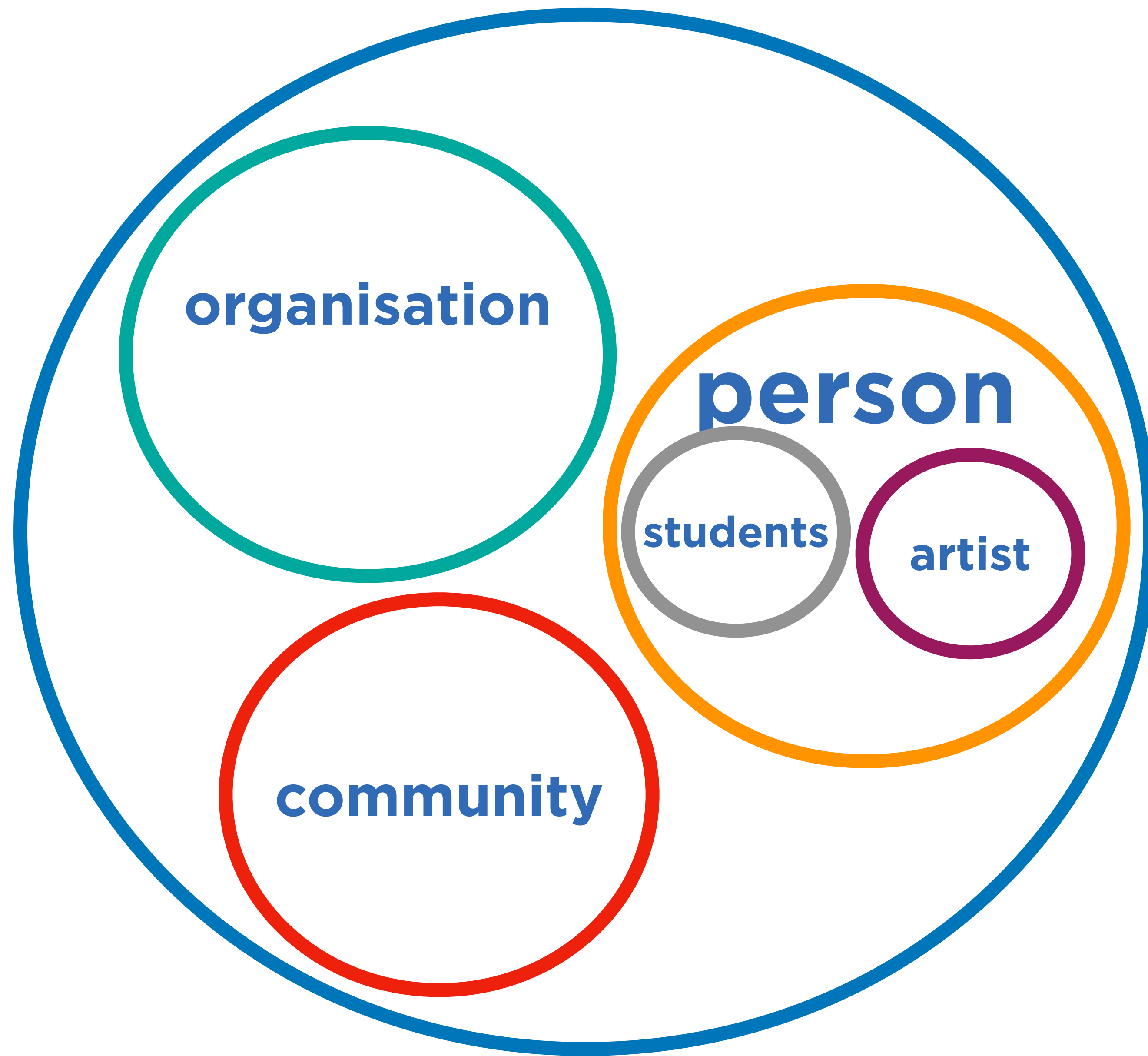


performing artists



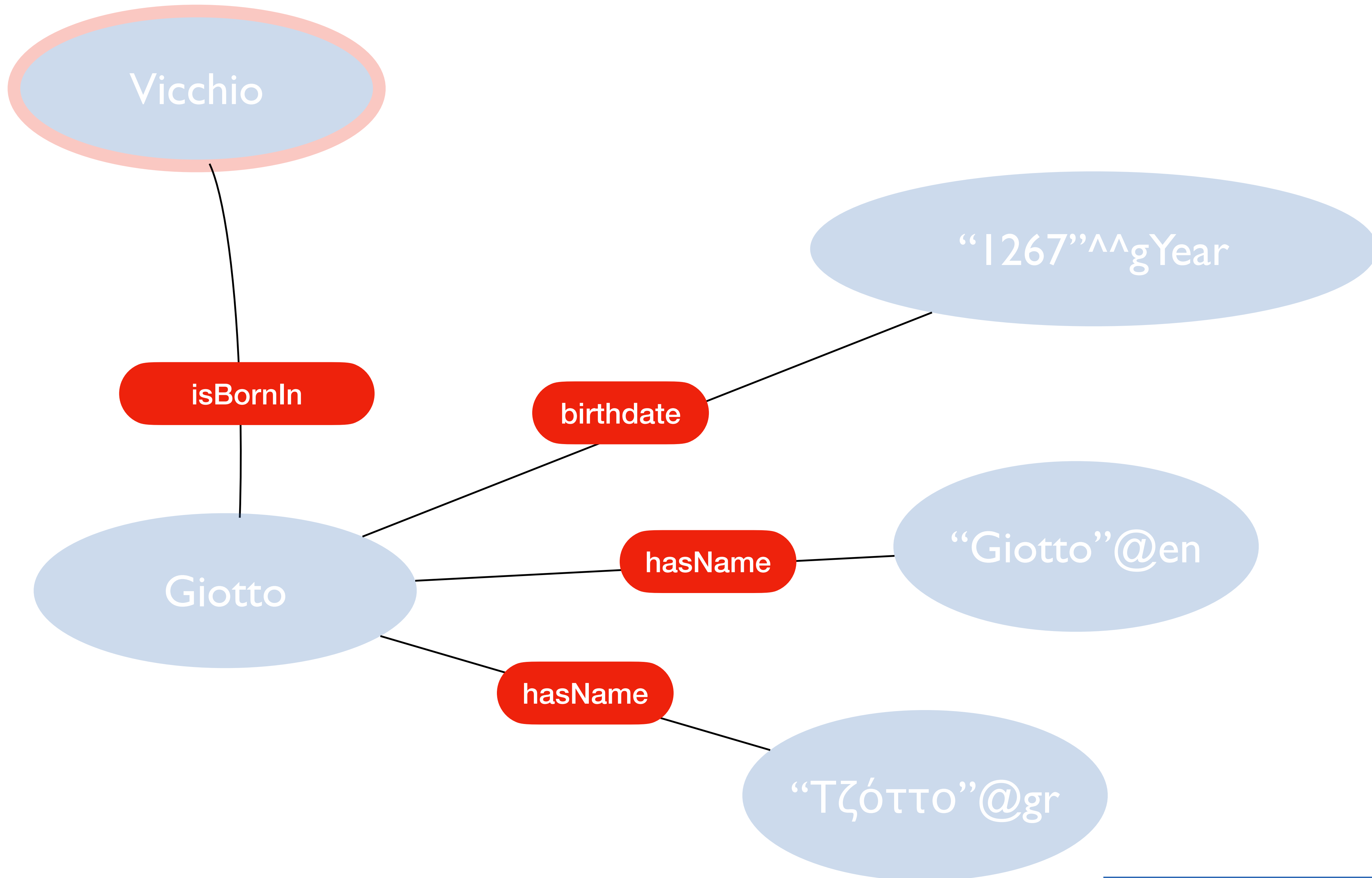


Agents



RDFS

- Classes
- Subclasses
- **Subproperty**
- label
- **range / domain**



domain

property

range

person

isBornIn

Place

domain

property

range

person

isBornIn

Place

physical object

isBornIn

Place

domain

property

range

person

isBornIn

Place



physical object



Place

domain

physical object

startToExist

range

Place



person

isBornIn

Place

physical object

startToExist

Place



physical object

startToExist

Place

person

isBornIn

Place



person

startToExist

Place



Modelling exercise

miro and protégé edition