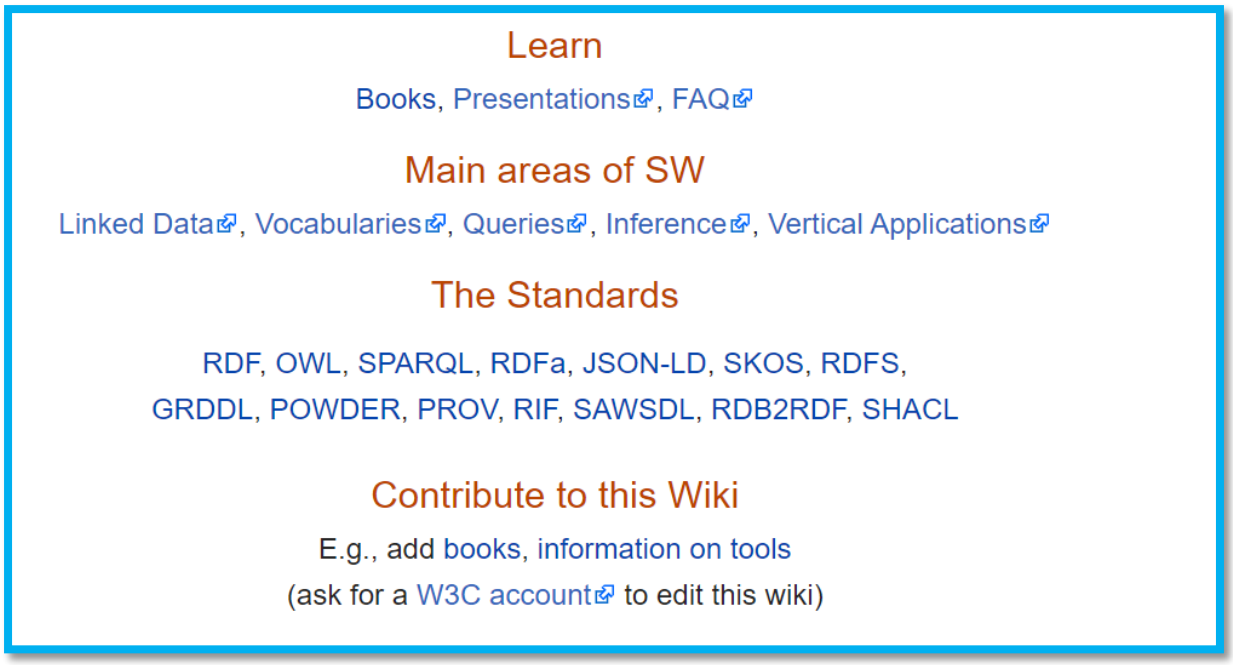
ΨΗΦΙΑΚΕΣ ΑΝΑΖΗΤΗΣΕΙΣ ΣΤΟΝ ΣΗΜΑΣΙΟΛΟΓΙΚΟ ΙΣΤΟ

1. Πήγαινε στην ιστοσελίδα του WWW

W3C https://www.w3.org/2001/sw/wiki/Main_Page



1.1 Δες το → Main areas of SW

1.2 Κάνε πλοήγηση στα παρακάτω πρότυπα του Σημασιολογικού Ιστού

RDF https://www.w3.org/RDF/

RDFS https://www.w3.org/TR/rdf-schema/

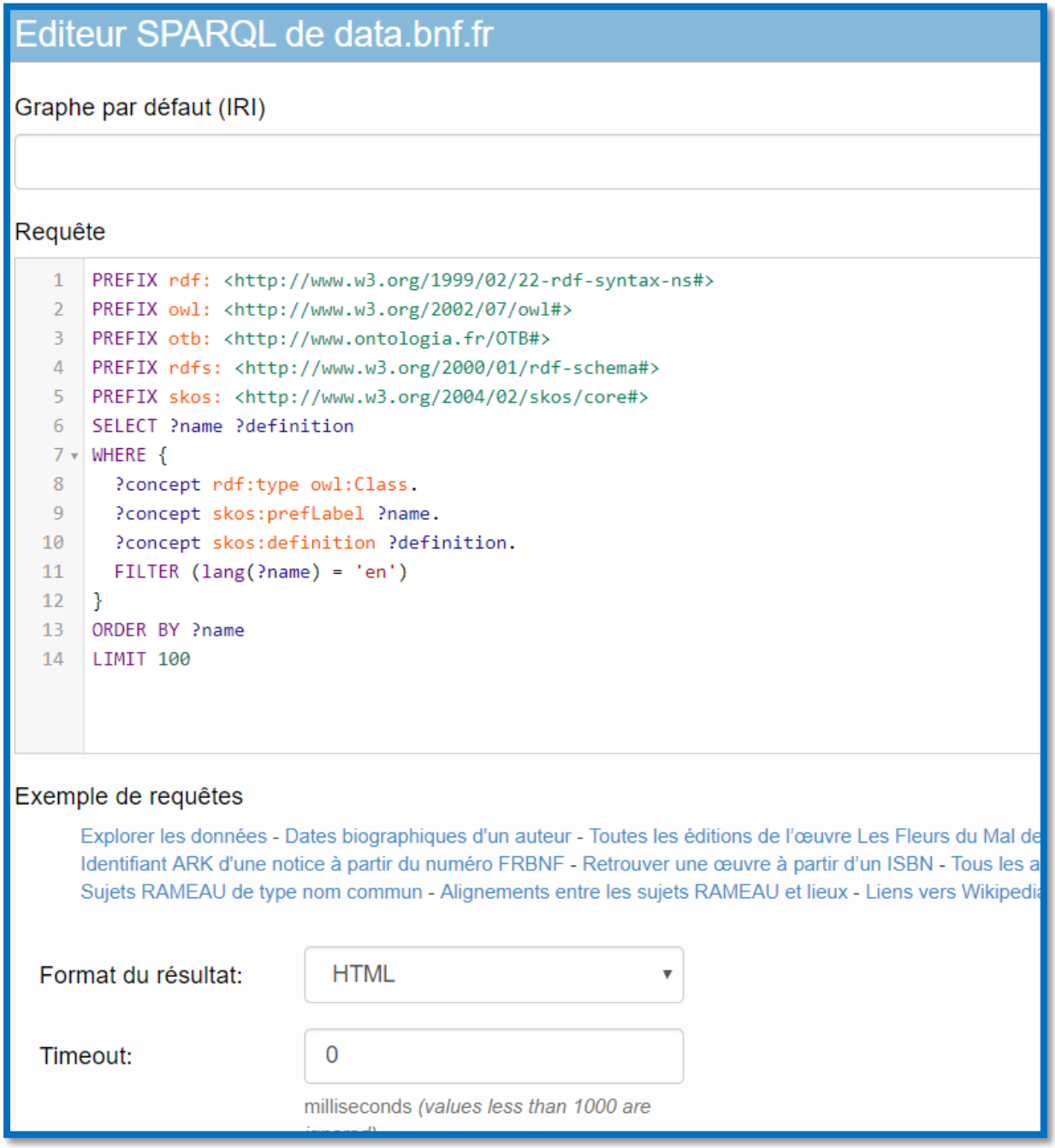
OWL https://www.w3.org/TR/owl-features/

SPARQL https://www.w3.org/TR/sparql11-query/

SKOS https://www.w3.org/2001/sw/wiki/SKOS

2. ΑΣΚΗΣΗ

2.1 Πήγαινε στο virtuoso Sparql end point της **Bibliothèque Nationale de France-BNF (Εθνική Βιβλιοθήκη Γαλλία)** https://data.bnf.fr/current/sparql.html

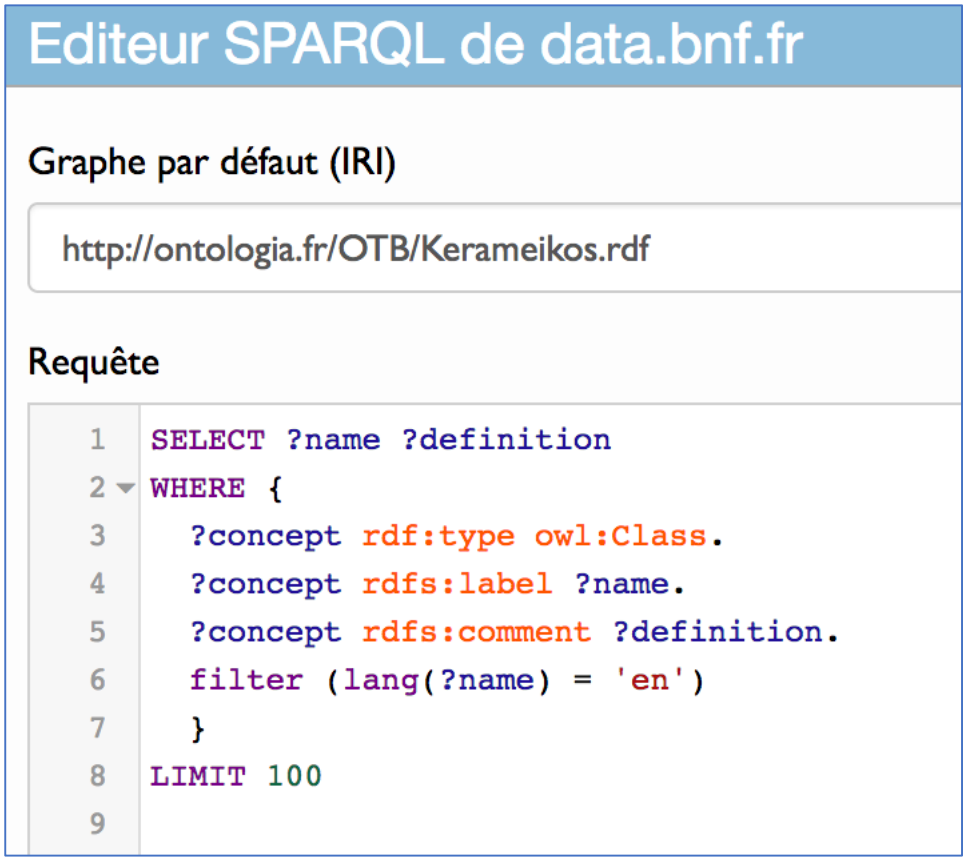


2.2 Πληκτρολόγησε τη διεύθυνση http://ontologia.fr/OTB/Kerameikos.rdf

Δες περισσοτερα εδώ http://kerameikos.org/

2.3 Πληκτρολόγησε το script →

```
SELECT ?name ?definition
WHERE {
  ?concept rdf:type owl:Class.
  ?concept rdfs:label ?name.
  ?concept rdfs:comment ?definition.
  filter (lang(?name) = 'en')
  }
LIMIT 100
```



2.4 Πάτα Lancer la requête

Θα σου επιστρεψει αυτό

name	
"E10 Transfer of Custody"@en	"Scope note: This class comprises transfers of physical custody of objects between instances of E39 Actor. The recording source 5. the declared loss of an object The distinction between the legal responsibility for custody and the actual physica will then model their specific notions of accession and deaccession as combinations of these. Examples: - the delivery of
"E11 Modification"@en	"Scope note: This class comprises all instances of E7 Activity that create, alter or change E24 Physical Man-Made Thing applicable concept. This implies that some items may be consumed or destroyed in a Modification, and that others may b Design or Procedure utilised for the modification prescribes the use of specific materials, they should be documented usi transformation of the Enola Gay into a museum exhibit by the National Air and Space Museum in Washington DC betwe
"E12 Production"@en	"Scope note: This class comprises activities that are designed to, and succeed in, creating one or more new items. It speci is considered "new" because it becomes relevant to documentation by a modification. For example, the scribbling of a na Transformation if it results in the destruction of one or more objects and the simultaneous production of others using part "Woman sitting half dressed beside a stove", 1658, identified by Bartsch Number 197 (E12,E65,E81)"@en
"E13 Attribute Assignment"@en	"Scope note: This class comprises the actions of making assertions about properties of an object or any relation between All cases of properties in this model that are also described indirectly through an action are characterised as "short cuts" making propositions and statements during certain museum procedures, e.g. the person and date when a condition statem assessment of the current ownership of Martin Doerr's silver cup in February 1997"@en
"E14 Condition Assessment"@en	"Scope note: This class describes the act of assessing the state of preservation of an object during a particular period. The inspection of humidity damage to the frescos in the St. George chapel in our village"@en
"E15 Identifier Assignment"@en	"Scope note: This class comprises activities that result in the allocation of an identifier to an instance of E1 CRM Entity. include Find Numbers, Inventory Numbers, uniform titles in the sense of librarianship and Digital Object Identifiers (DC identifier is assigned to an item. The fact that an identifier is a preferred one for an organisation can be expressed by usin property. Examples: - replacement of the inventory number TA959a by GE34604 for a 17th century lament cloth at the M
"E16 Measurement"@en	"Scope note: This class comprises actions measuring physical properties and other values that can be determined by a sys reliability of the result may be judged at a later stage, or research continued on the associated documents. The date of the measurement of height of silver cup 232 on the 31st August 1997 - the carbon 14 dating of the "Schoeninger Speer II" in
"E17 Type Assignment"@en	"Scope note: This class comprises the actions of classifying items of whatever kind. Such items include objects, specime the systematic and molecular identification of a specimen in biology. Examples: - the first classification of object GE346
"E19 Physical Object"@en	"Scope note: This class comprises items of a material nature that are units for documentation and have physical boundari some contexts, such objects, except for aggregates, are also called "bona fide objects" (Smith & Varzi, 2000, pp.401-420 Cullinan diamond - Apollo 13 at the time of launch"@en
"E1 CRM Entity"@en	"Scope note: This class comprises all things in the universe of discourse of the CIDOC Conceptual Reference Model. It i by formal properties With the exception of E59 Primitive Value, all other classes within the CRM are directly or indirectl
"E20 Biological Object"@en	"Scope note: This class comprises individual items of a material nature, which live, have lived or are natural products of excrement PA1906-344"@en
"E21 Person"@en	"Scope note: This class comprises real persons who live or are assumed to have lived. Legendary figures that may have e to support reasoning about possible identity. Examples: - Tut-Ankh-Amun - Nelson Mandela"@en
"E22 Man-Made	

Είναι το CIDOC-CRM (Conceptual Reference Model) του Διεθνούς Οργανισμού για τα Μουσεία (ICOM) που αποτελεί επίσης πρότυπο του ISO- ΔΙΕΘΝΟΥΣ ΟΡΓΑΝΙΣΜΟΥ ΤΥΠΟΠΟΙΗΣΗΣ και για το οποίο έχει πρωτοστατήσει το Ινστιτούτο Επιστήμης Υπολογιστών FORTH στην Κρήτη.

Δες περισσότερα εδώ http://www.cidoc-crm.org/ και

http://www.cidoc-crm.org/sites/default/files/2018-05-16%23CIDOC%20CRM_v6.2.3_esIP%28XDP%29%28XM%29.pdf

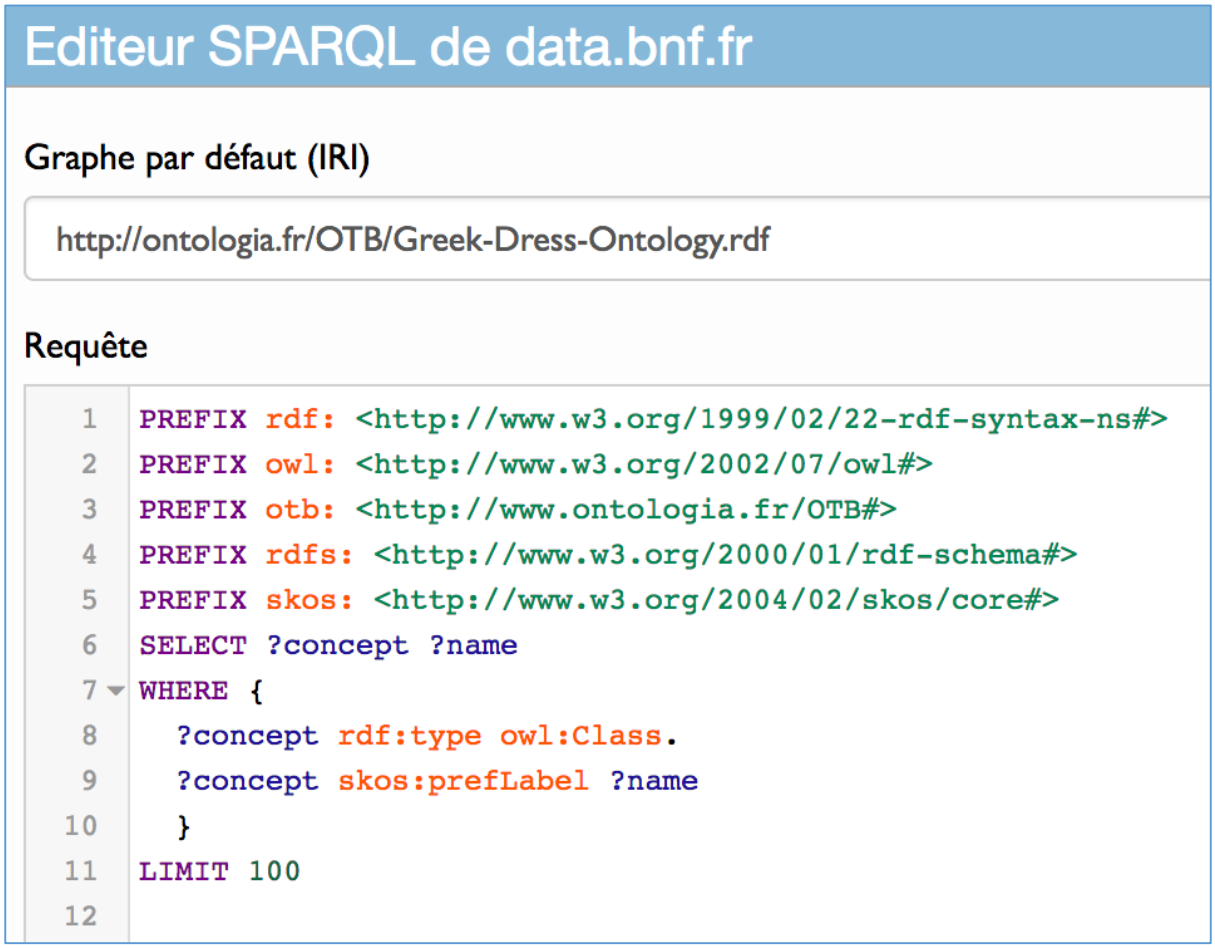
2.5 Πληκτρολόγησε τη διεύθυνση http://ontologia.fr/OTB/Greek-Dress-Ontology.rdf

(Είναι η δική μου οντολογία για το Αρχαίο Ελληνικό ένδυμα)

2.6 Πληκτρολόγησε το script →

```
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#>
```

```
SELECT ?concept ?name
WHERE {
    ?concept rdf:type owl:Class.
    ?concept skos:prefLabel ?name
 }
LIMIT 100
```



2.7 Επανάλαβε ΒΗΜΑ 2.4

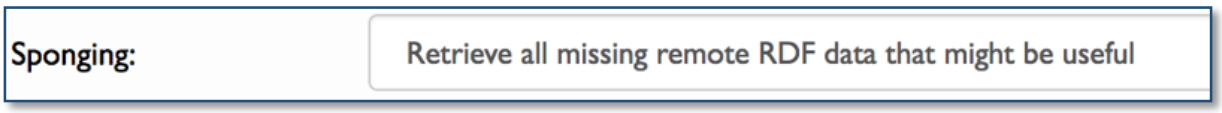
Θα σου επιστρεψει αυτό

concept	name
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment	"garment"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_around_body_male_one_part_without_sewing_without_sleeves_attached_one_attachment_knee-length_over_unpleated	"chlamys"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_around_body_male_one_part_without_sewing_without_sleeves_attached_one_attachment_knee-length_over_unpleated	"χλαμύς"@gr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_leg_encasing_with_sewing_more_than_one_part	"anaxyrides"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_leg_encasing_with_sewing_more_than_one_part	"anaxyrides"@fr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_leg_encasing_with_sewing_more_than_one_part	"ἀναξυρίδες"@gr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_male_around_body_more_than_one_part_with_sewing_without_sleeves_attached_one_attachment_knee-length_unpleated_under_	"exomis"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_more_than_one_part_with_sewing_attached_multiple_attachments_around_body_ankle-length	"chiton orthostadios"@fr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_more_than_one_part_with_sewing_attached_multiple_attachments_around_body_ankle-length	"chiton poderes"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_more_than_one_part_with_sewing_attached_multiple_attachments_around_body_ankle-length	"χιτών ὀρθοστάδιος"@gr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_over_with_sleeves_more_than_one_part_with_sewing_attached_multiple_attachments_around_body_unpleated	"ependytes"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_over_with_sleeves_more_than_one_part_with_sewing_attached_multiple_attachments_around_body_unpleated	"ἐπενδύτης"@gr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_with_sleeves_more_than_one_part_attached_multiple_attachments_around_body_under_	"chiton cheiridotos"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_with_sleeves_more_than_one_part_attached_multiple_attachments_around_body_under_	"chiton cheiridotos"@fr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_with_sleeves_more_than_one_part_with_sewing_	"kandys"@en
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_with_sleeves_more_than_one_part_with_sewing_	"kandys"@fr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_with_sleeves_more_than_one_part_with_sewing_	"κάνδυς"@gr
http://www.ontologia.fr/OTB/Greek-Dress-Ontology#Garment_with_sleeves_with_sewing_around_body_ankle-length_more_than_one_part_under_	"chiton chortaios"@en

ΠΡΟΣΟΧΗ!

ΠΡΙΝ ΕΚΤΕΛΕΣΕΙΣ ΤΟ ΒΗΜΑ 2.4, στο **Sponging** πρέπει να διαλέξεις **Retrieve Remote RDF data**

Αν όχι, θα σου επιστρέψει μόνο τα δεδομένα της BNF.



Καλή επιτυχία! 🙂