

Close Enough! Introducing FIZZY SPARQL Queries



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IMAGINE A PERFECT WORLD



The background of the slide features a photograph of a park at dusk or night. In the foreground, two people are walking away from the camera on a grassy path. In the middle ground, a city skyline with several illuminated skyscrapers is visible against a dark sky. A prominent feature is a glowing, translucent network graph overlay that spans across the entire image. This graph consists of numerous small, bright blue and white nodes connected by thin, glowing lines, creating a sense of data flow and connectivity. The overall mood is futuristic and suggests a blend of natural and digital environments.

...with perfect data in perfect Knowledge Graphs



...where data can be queried efficiently and in an instance with perfect immediate results



However, Cultural Heritage
data is often not that perfect.

However, Cultural Heritage
data is often not that perfect.
It's...

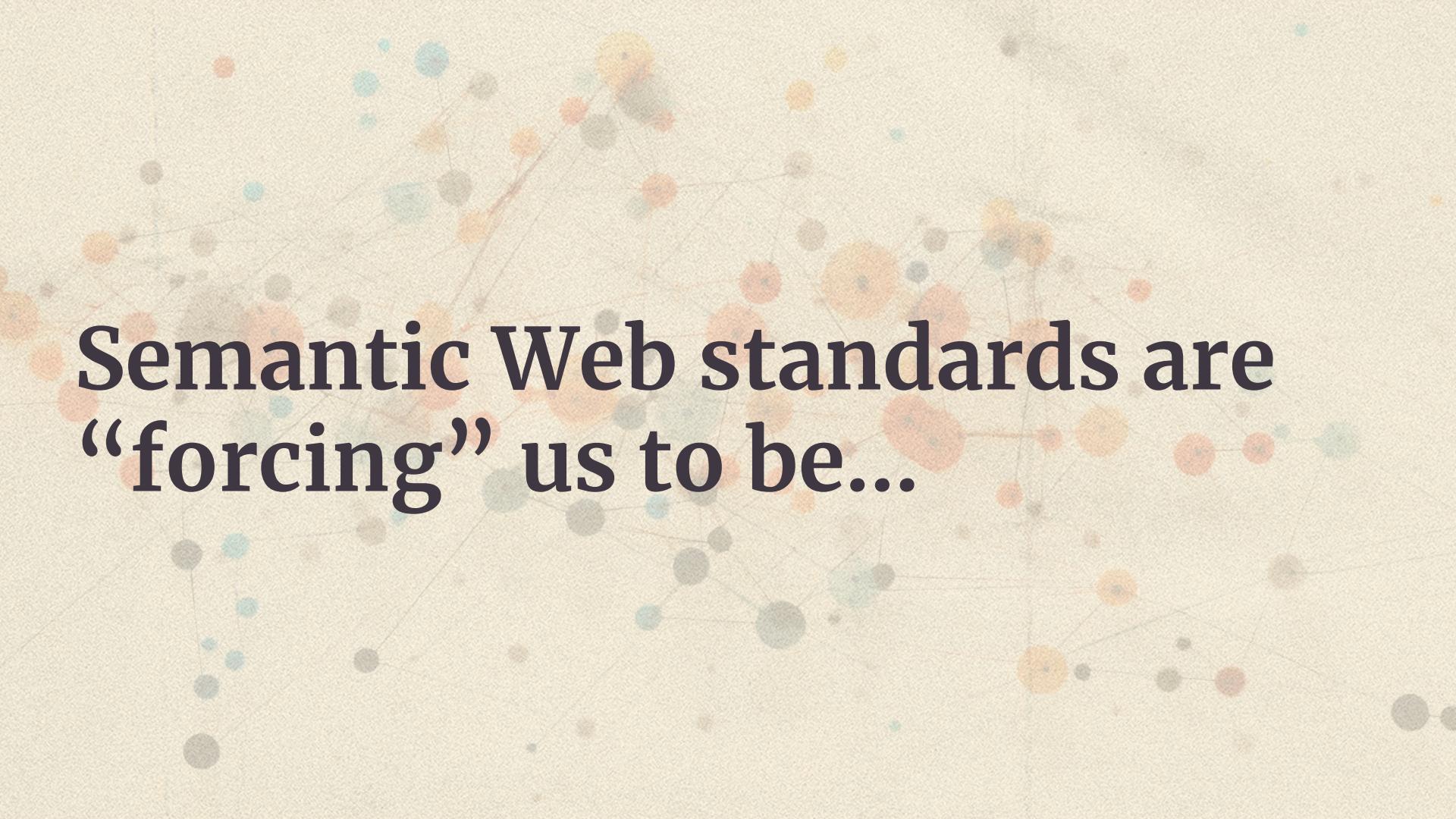
noisy

dynamic

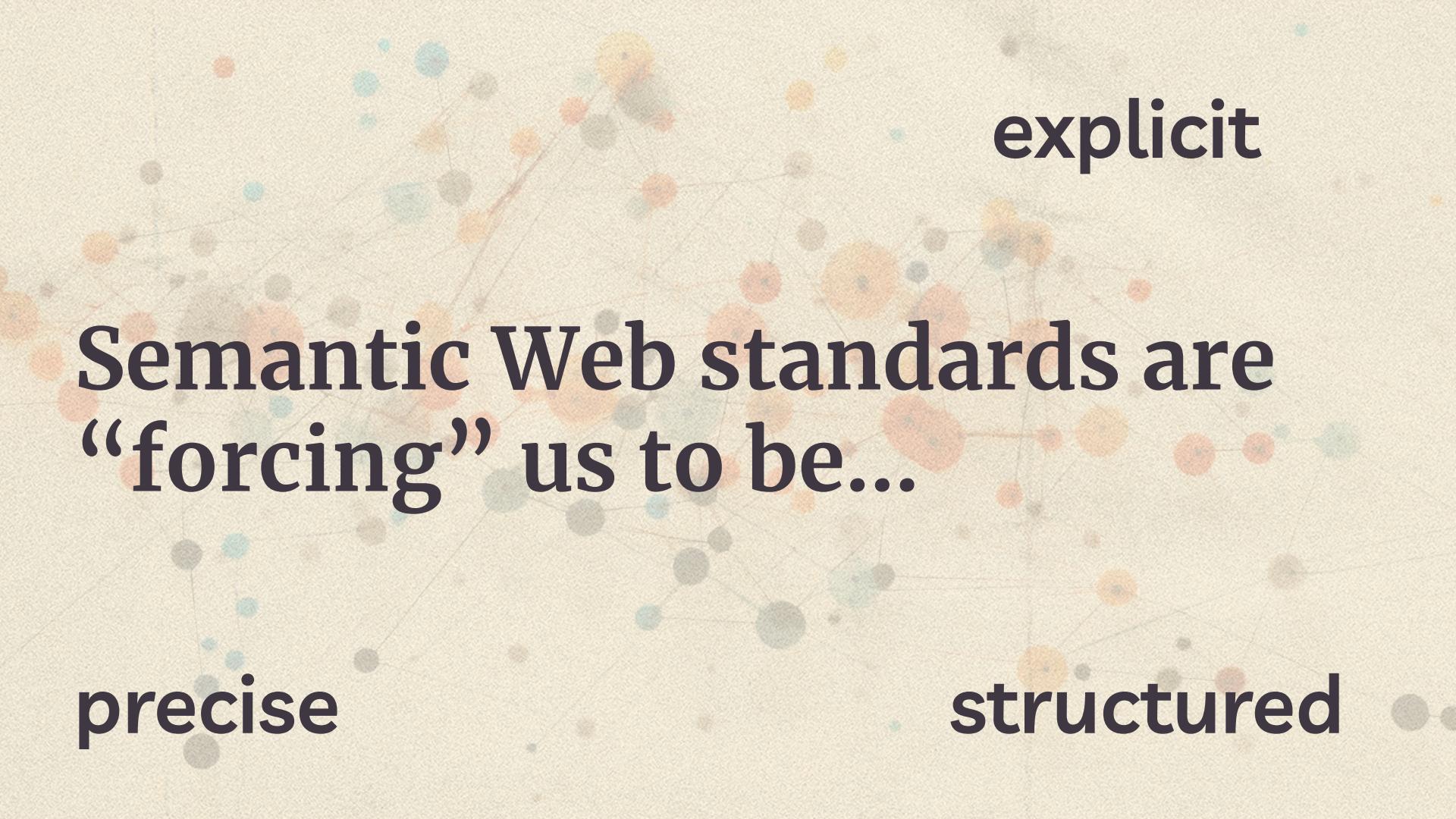
vague

ambiguous

heterogeneous



Semantic Web standards are
“forcing” us to be...



explicit

Semantic Web standards are
“forcing” us to be...

precise

structured

SPARQL Queries can be tough
if you don't know how the
data is modeled.

Let's query for “avocado” in Rijksmuseum

SPARQL API

<https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/service>

```
1 ▼ PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 ▼ SELECT * WHERE {
5   ?s ?p ?o
6   FILTER(REGEX(?o, "avocado", "i"))
7 }
```

Let's query for “avocado” in Rijksmuseum

SPARQL API

<https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/service>

```
1 ▼ PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 ▼ SELECT * WHERE {
5   ?s ?p ?o
6   FILTER(REGEX(?o, "avocado", "i"))
7 }
```

Table

Response

Gallery

Chart

Geo

Geo-3D

Response in 58.102 seconds

Error (#504)

Gateway Timeout.

Let's query for “avocado” in Rijksmuseum

SPARQL API

<https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/serv>

```
1 ▼ PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 ▼ SELECT * WHERE {
5   ?s ?p ?o
6   FILTER(REGEX(?o, "avocado", "i"))
7 }
```

Table

Response

Gallery

Chart

Geo

Geo

Response in 58.102 seconds

Error (#504)

Gateway Timeout.



STRING searches in SPARQL
are hard ...

Let's query for “zucchini” in Rijksmuseum

SPARQL API

<https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/services/collection/sparql>

```
1 ▼ PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 ▼ SELECT * WHERE {
5   ?s dc:title ?o
6   FILTER ( lang(?o) = "en" )
7   FILTER(REGEX(?o, "zucchini", "i")))
8 }
```

Let's query for “zucchini” in Rijksmuseum

SPARQL API

<https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/services/collection/sparql>

```
1 ▼ PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 ▼ SELECT * WHERE {
5   ?s dc:title ?o
6   FILTER ( lang(?o) = "en" )
7   FILTER(REGEX(?o, "zucchini","i"))
8 }
```

Table

Response

Gallery

Chart

Geo

Geo-3D

Geo events

Marker

0 results in 2.872 seconds

Simple view Ellipse

 No results

Let's query for “zucchini” in Rijksmuseum

SPARQL API <https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/services/collection/sparql>

```
1 ▼ PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 ▼ SELECT * WHERE {
5   ?s dc:title ?o
6   FILTER ( lang(?o) = "en" )
7   FILTER(REGEX(?o, "zucchini","i"))
8 }
```

Table

Response

Gallery

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Geo

Geo-3D

Geo events

0 results in 2.872 seconds

Simple view

i No results



GOAL:

Enable **fuzzy** SPARQL queries

GOAL: Enable **fuzzy** SPARQL queries

Let users query

- strings that are similar: neighbors, functions, synonyms, broader-narrower
- strings that are misspelled

Sentence Embeddings



Fizzy Search is enabled
in an instance of
Iconclass, a
classification system
for art and
iconography.



Let's query for “zucchini” in Rijksmuseum

SPARQL API

<https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/services/collection/sparql>

```
1 ▼ PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 ▼ SELECT * WHERE {
5   ?s dc:title ?o
6   FILTER ( lang(?o) = "en" )
7   FILTER(REGEX(?o, "zucchini","i"))
8 }
```

zucchini

Advanced Search

Include keys (+) Sort by notation

Found 0 results, searching for zucchini

Table

Response

Gallery

Chart

Geo

Geo-3D

Geo events

Mark

0 results in 2.872 seconds

Simple view Ellipse

No results

Let's query for “zucchini” in Iconclass

zucchini

Include keys (+) Sort by notation

Found 42 results, searching for

All 2 4

- 25GG21(PUMPKIN) fruits: pumpkin - GG - fantastic plants, fabulous vegetation
- 25G21(PUMPKIN) fruits: pumpkin
- 25GG4(ARTICHOKE) plants and herbs: artichoke - GG - fantastic plants, fabulous vegetation
- 25GG21 fruits of fabulous plants
- 25GG21(PUMPKIN)(+2) fruits: pumpkin - GG - fantastic plants, fabulous vegetation (+ parts of plants)



Let's query for “zucchini” in Iconclass

zucchini

Include keys (+) Sort by notation

Found 42 results, searching for

All 2 4

- 25GG21(PUMPKIN) fruits: pumpkin - GG - fantastic plants, fabulous vegetation
- 25G21(PUMPKIN) fruits: pumpkin
- 25GG4(ARTICHOKE) plants and herbs: artichoke - GG - fantastic plants, fabulous vegetation
- 25GG21 fruits of fabulous plants
- 25GG21(PUMPKIN)(+2) fruits: pumpkin - GG - fantastic plants, fabulous vegetation (+ parts of plants)



Let's query for “zucchini” in Iconclass



Include keys (+) Sort by notation

Found 42 results, searching for

All 2 4

- 25GG21(PUMPKIN) fruits: pumpkin
vegetation
- 25G21(PUMPKIN) fruits: pumpkin
- 25GG4(ARTICHOKE) plants and her/
fabulous vegetation
- 25GG21 fruits of fabulous plants
- 25GG21(PUMPKIN)(+2) fruits: pum/
vegetation (+ parts of plants)



Let's query for “zucchini” in Iconclass



- 25GG4(ARTICHOKE) plants and herbs
fabulous vegetation
- 25GG21 fruits of fabulous plants
- 25GG21(PUMPKIN)(+2) fruits: pumpkins (+ parts of plants)



What if we query for “fruit”?

SPARQL API | <https://api.data.netwerkdigitaalergoed.nl/datasets/Rijksmuseum/collection/services/collection.sparql>

```
1 v PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 v PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 v PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 v SELECT * WHERE {
5 v   ?s dc:title ?o
6 v   FILTER ( lang(?o) = "en" )
7 v   FILTER(REGEX(?o, "fruit","i"))
8 }
```

Table Response Gallery Chart Geo Geo-3D Geo eve

102 results in 2.751 seconds

Simple v

s	o
1 <http://hdl.handle.net/10934/RM0001.CO...	"Still Life with Flowers and Fruits"@en
2 <http://hdl.handle.net/10934/RM0001.CO...	"Still Life with Fruit and Flower Garlands"@en
3 <http://hdl.handle.net/10934/RM0001.CO...	"Still Life with Fruit and Flower Garlands"@en

What if we query for “fruit”?

SPARQL API | <https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/sparql>

Neighborhood Search...

```
1 PREFIX dc: <http://purl.org/dc/elements/1.1/><br/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#><br/>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#><br/>
4 SELECT ?s<br/>
5 WHERE {<br/>
6   VALUES ?o { "fruit" <http://iconclass.org/25G21><br/>
7     "vegetables and fruit; still life of vegetables and fruit" <http://iconclass.org/41C65><br/>
8     "orange" <http://iconclass.org/25G21(ORANGE)><br/>
9     "fruit-tree culture; fruit harvest" <http://iconclass.org/47I41><br/>
10 }<br/>
11 ?s ?p ?o.<br/>
12 }
```

Table Response Gallery Chart Geo Geo-3D Geo events Markup Network

463 results in 0.081 seconds

s

<http://hdl.handle.net/10934/RM0001.COLLECT.100012>
<http://hdl.handle.net/10934/RM0001.COLLECT.100446>
<http://hdl.handle.net/10934/RM0001.COLLECT.10087>
<http://hdl.handle.net/10934/RM0001.COLLECT.108609>

SPARQL API | <https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/sparql>

```
1 PREFIX dc: <http://purl.org/dc/elements/1.1/><br/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#><br/>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#><br/>
4 SELECT * WHERE {<br/>
5   ?s dc:title ?o<br/>
6   FILTER ( lang(?o) = "en" )<br/>
7   FILTER( REGEX(?o, "fruit", "i"))<br/>
8 }
```

Table Response Gallery Chart

102 results in 2.751 seconds

1 <<http://hdl.handle.net/10934/RM0001.COLLECT.100012>> "Still Life with F...

2 <<http://hdl.handle.net/10934/RM0001.COLLECT.100446>> "Still Life with F...

3 <<http://hdl.handle.net/10934/RM0001.COLLECT.10087>> "Still Life with F...

4 <<http://hdl.handle.net/10934/RM0001.COLLECT.108609>> "Still Life with F...

5 <<http://hdl.handle.net/10934/RM0001.COLLECT.10934>> "Still Life with F..."

What if we query for “fruit”?

SPARQL API | <https://api.data.netwerkdigitaalerfgoed.nl/datasets/Rijksmuseum/collection/sparql>

```
1 PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 SELECT ?s
5 WHERE {
6   VALUES ?o { "fruit" <http://iconclass.org/25G21>
7             "vegetables and fruit; still life of vegetables and fruit" <http://iconclass.org/41C65>
8             "orange" <http://iconclass.org/25G21(ORANGE)>
9             "fruit+tree culture; fruit harvest" <http://iconclass.org/47I41>
10 }
11 ?s ?p ?o.
```

With only 4 neighbours! out of 42 related concepts.

Table Response Gallery Chart Geo Geo-3D Geo events Markup Network

463 results in 0.081 seconds

s
http://hdl.handle.net/10934/RM0001.COLLECT.100012
http://hdl.handle.net/10934/RM0001.COLLECT.100446
http://hdl.handle.net/10934/RM0001.COLLECT.10087
http://hdl.handle.net/10934/RM0001.COLLECT.108609

SPARQL API | <https://api.data.netwerkdigitaalerfgoed.nl/dataset>

```
1 PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 SELECT * WHERE {
5   ?s dc:title ?o
6   FILTER ( lang(?o) = "en" )
7   FILTER(REGEX(?o, "fruit", "i")))
8 }
```

Table Response Gallery Chart

102 results in 2.751 seconds

1 <http://hdl.handle.net/10934/RM0001.CO... "Still Life with F
2 <http://hdl.handle.net/10934/RM0001.CO... "Still Life with F
3 <http://hdl.handle.net/10934/RM0001.CO... "Still Life with F
4 <http://hdl.handle.net/10934/RM0001.CO... "Still Life with F
5 <http://hdl.handle.net/10934/RM0001.CO... "Still Life with F



Appelen, Peren, Pruymen, Karsen, Plockmen in DE HERREFST aff.
Druyven sietmen wijn uit perßen, soo gaet yder naer syn graff.

i.data.netwerkdigitaalerafgood.nl/datasets/Rijksmuseum/collection/sparql

<http://purl.org/dc/elements/1.1/>
<http://www.w3.org/1999/02/22-rdf-syntax-ns#>
<http://www.w3.org/2000/01/rdf-schema#>

{ "fruit" <<http://iconclass.org/25G21>>
"vegetables and fruit; still life of vegetables and fruit" <<http://iconclass.org/41C65>>
"orange" <[http://iconclass.org/25G21\(ORANGE\)](http://iconclass.org/25G21(ORANGE))>
"fruit-tree culture; fruit harvest" <<http://iconclass.org/47I41>>

seconds

Configure

Gallery Chart Geo Geo-3D Geo events Markup Network Pivot Time

0934/RM0001.COLLECT.100012
0934/RM0001.COLLECT.100446
0934/RM0001.COLLECT.10087
0934/RM0001.COLLECT.108609

Related concepts search

We can also search for concepts with related functions:)

fruit picker

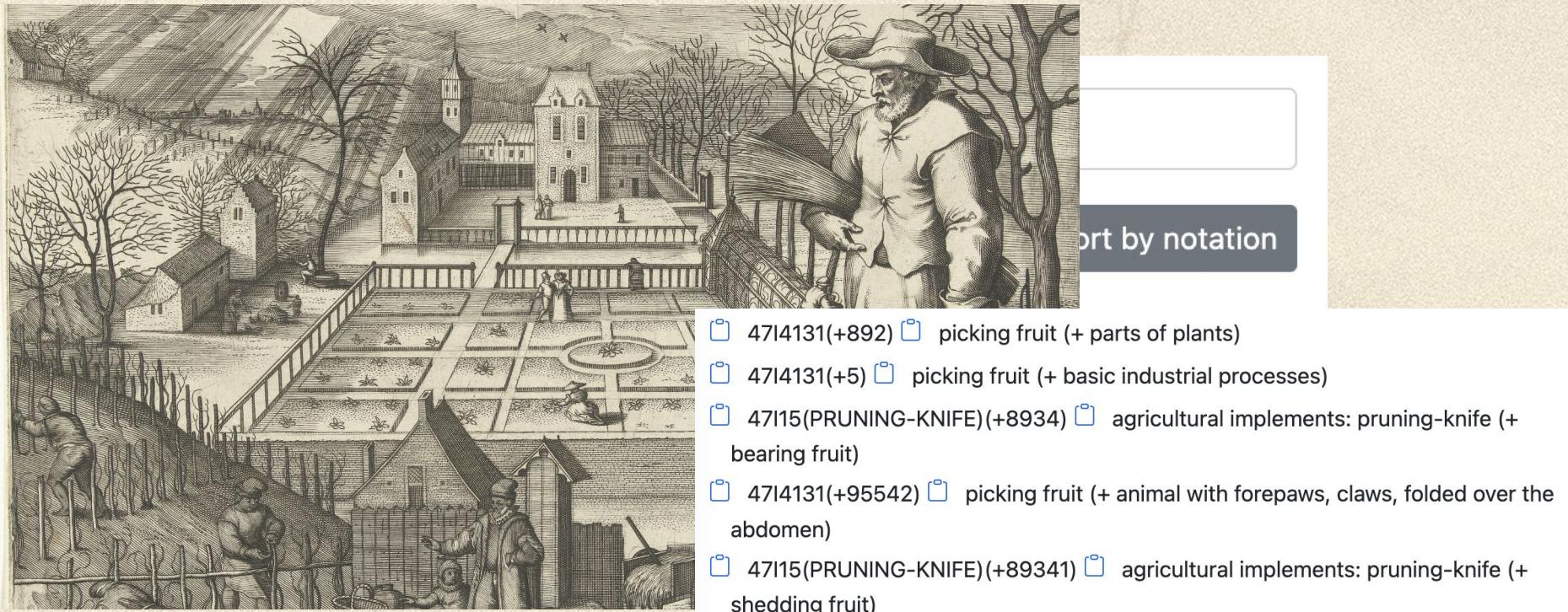
Advanced Search

Include keys (+)

Sort by notation

Found 0 results, searching for *fruit picker*

We can also search for concepts with related functions:)

A detailed black and white engraving from a historical book. On the left, a large, multi-story building with multiple gables and a tower is situated on a hill. In the foreground, a man in 16th-century clothing stands near a garden fence, holding a long staff or tool. Another man is visible in the garden area, which contains several rectangular plots with small plants. In the bottom left corner, two other figures are working in a field. The style is characteristic of 16th-century German woodblock prints.

Report by notation

- 47I4131(+892) picking fruit (+ parts of plants)
- 47I4131(+5) picking fruit (+ basic industrial processes)
- 47I15(PRUNING-KNIFE)(+8934) agricultural implements: pruning-knife (+ bearing fruit)
- 47I4131(+95542) picking fruit (+ animal with forepaws, claws, folded over the abdomen)
- 47I15(PRUNING-KNIFE)(+89341) agricultural implements: pruning-knife (+ shedding fruit)

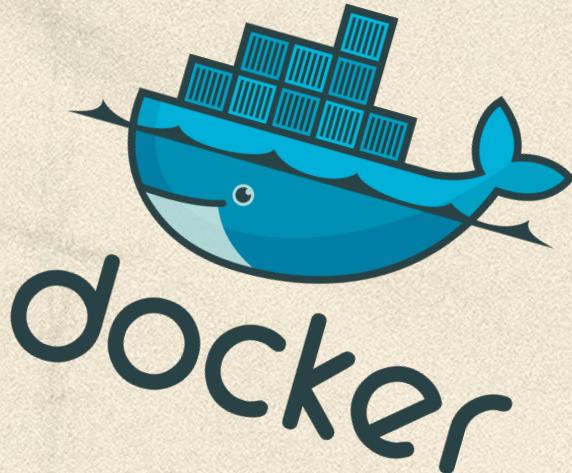
But what if I don't have/want to use
iconclass codes in my data?

But what if I don't have/want to use iconclass codes in my data?

No problem! You can use **fuzzy search** for your data!

We developed a
WebApp that
transforms your
queries to enable
fuzzy search on
YOUR data!





HackaLOD 2023

Query ✖ ✚

⚙️

```
1 PREFIX schema: <https://schema.org/>
2 SELECT ?sub ?o WHERE {
3   ?sub <http://hackalod/fizzy/fts> "Fossenburg" .
4   ?sub schema:name ?o
5 }
```

Press CTRL - <spacebar> to autocomplete

Table Response 1 result in 0.124 seconds

Simple view Ellipse Filter query results Page size: 50 ▼ Download ?

sub	o
1 <https://n2t.net/ark:/60537/b4Ar1w>	"Vossenburchkade"@nl

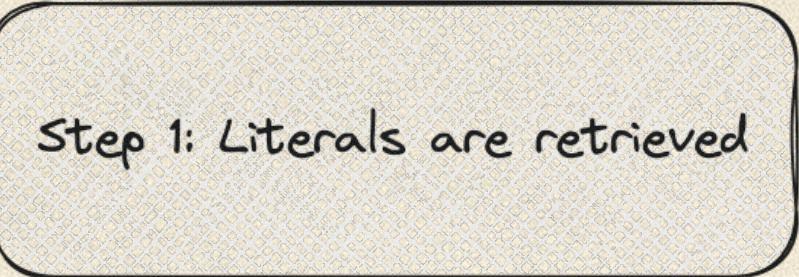
Showing 1 to 1 of 1 entries

< 1 >

<https://www.goudatijdmachine.nl/sparql/repositories/gtm>

Behind the magic wand ...

Step 1: Literals are retrieved



	subj	pred	obj
0	https://n2t.net/ark:/60537/b0001z	http://omeka.org/s/vocabs/o#created	2021-07-08T12:42:00+00:00
1	https://n2t.net/ark:/60537/b0001z	http://omeka.org/s/vocabs/o#id	137
2	https://n2t.net/ark:/60537/b0001z	http://omeka.org/s/vocabs/o#modified	2023-10-06T16:30:02+00:00
3	https://n2t.net/ark:/60537/b0001z	http://omeka.org/s/vocabs/o#title	Burgemeester Martenssingel
4	https://n2t.net/ark:/60537/b0001z	https://schema.org/name	Burgemeester Martenssingel



Gouda Tijdmachine



Behind the magic wand ...

Step 2: Sentence embeddings are generated from the literals



Behind the magic wand ...

Step 2: Sentence embeddings are generated from the literals

Language Models:

- Multilingual:
sentence-transformers/all-mpnet-base-v2
 - Dutch:
jegormeister/bert-base-dutch-cased-snli



fizzy/sbert: semantic similarities

Step 3: Query "fizzy-ly" with
<<http://hackalod.com/fizzy/fts>>
<<http://hackalod.com/fizzy/sbert>>

HackaLOD 2023

Query +

PREFIX schema: <<https://schema.org/>>

PREFIX dc: <<http://purl.org/dc/elements/1.1/>>

SELECT ?sub ?o WHERE {
4 ?sub <http://hackalod/fizzy/sbert> "Zucchini" .
5 ?sub dc:title ?o
6 }

Table Response 88 results in 0.189 seconds

		Simple view	Ellipse	Filter query results	Page size:
1	< http://hdl.handle.net/10934/RM0001.COLLECT.470552 >	"Stilleven een schaal met maïs, artisjok, druiven en een papegaai"@nl			5
2	< http://hdl.handle.net/10934/RM0001.COLLECT.470552 >	"Still Life with a Bowl of Corn, Artichokes, Grapes and a Parrot"@en			
3	< http://hdl.handle.net/10934/RM0001.COLLECT.12085 >	"De wijnoogst"@nl			
4	< http://hdl.handle.net/10934/RM0001.COLLECT.12085 >	"Harvesting the Vines"@en			
5	< http://hdl.handle.net/10934/RM0001.COLLECT.1237 >	"Bord met geschulpte rand"@nl			
6	< http://hdl.handle.net/10934/RM0001.COLLECT.1237 >	"Scalloped Dish"@en			
7	< http://hdl.handle.net/10934/RM0001.COLLECT.37303 >	"Schedel"@nl			



fizzy/fts: spelling variants



Step 3: Query "fizzy-ly" with
<<http://hackalod.com/fizzy/fts>>
<<http://hackalod.com/fizzy/sbert>>

HackaLOD 2023

Query +

⚙️

```
1 v PREFIX schema: <https://schema.org/>
2 v SELECT ?sub ?o WHERE {
3   ?sub <http://hackalod/fizzy/fts> "Fossenburg" .
4   ?sub schema:name ?o
5 }
```

Press CTRL - <spacebar> to autocomplete

Table Response 1 result in 0.124 seconds Simple view Ellipse Filter query results Page size: 50

sub

1 <<https://n2t.net/ark:/60537/b4Ar1w>> "Vossenburchkade"@nl

Showing 1 to 1 of 1 entries

HackaLOD 2023

Show Query

Query +

⚙️

```
1 v PREFIX schema: <https://schema.org/>
2 v select ?s ?p ?o where {
3   ?s ?p ?o FILTER regex(str(?o), "fossenburg" "i")
4 } limit 100
```

How and where to use it?

Iconclass fizzy search
in termennetwerk
(Coming soon...)

termennetwerk

Veelgestelde vragen ▾ Language ▾

Zoeken in gemeenschappelijke thesauri, classificatiesystemen en referentielijsten

voor collectiebeheerders | voor beheerders van terminologiebronnen | voor ontwikkelaars van erfgoedsoftware

Zoeken met woorden Zoeken met URI

Zoekwoorden Bijvoorbeeld: fietsen, schilderij of Amsterdam

Terminologiebronnen Ikonclass

Zoeken

GitHub Repo

ISE-FIZKarlsruhe / hackaLOD23

Type [] to search

Code Issues Pull requests Actions Projects Security Insights

hackaLOD23 Public Watch 2

main 1 branch 0 tags Go to file Add file Code

epoz Newer Python version and less workers 0c49ad 2 hours ago 9 commits

src Add some logging and config
Dockerfile Newer Python version and less workers
LICENSE Initial commit
README.md Initial commit
requirements.txt Smaller requirements

README.md

hackaLOD23 ↗





THANK YOU!

BACKUP Slides

Cultural Heritage data lacks standard ...

3 · Human Being, Man in General
33 · relations between individual persons
33C · relations between the sexes
33C3 · one-sided courting; pursuit; difficult choice
33C31 · one-sided courting
33C312 · lover deserting woman

33C3121 deserted woman

SPARQL API <https://api.data.netwerkdigitaaleraffgoed.nl/datasets/Rijksmuseum/collection/services/collection/sparql>

```
1 v PREFIX dc: <http://purl.org/dc/elements/1.1/>
2 v PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 v PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
4 v SELECT * WHERE {
5   ?s dc:subject <http://iconclass.org/33C3121>
6 }
```

Table Response Gallery Chart Geo Geo-3D Geo events Mark

0 results in 0.108 seconds

No results

Simple view Ellipse

String similarity matches!

[Include keys \(+\)](#)

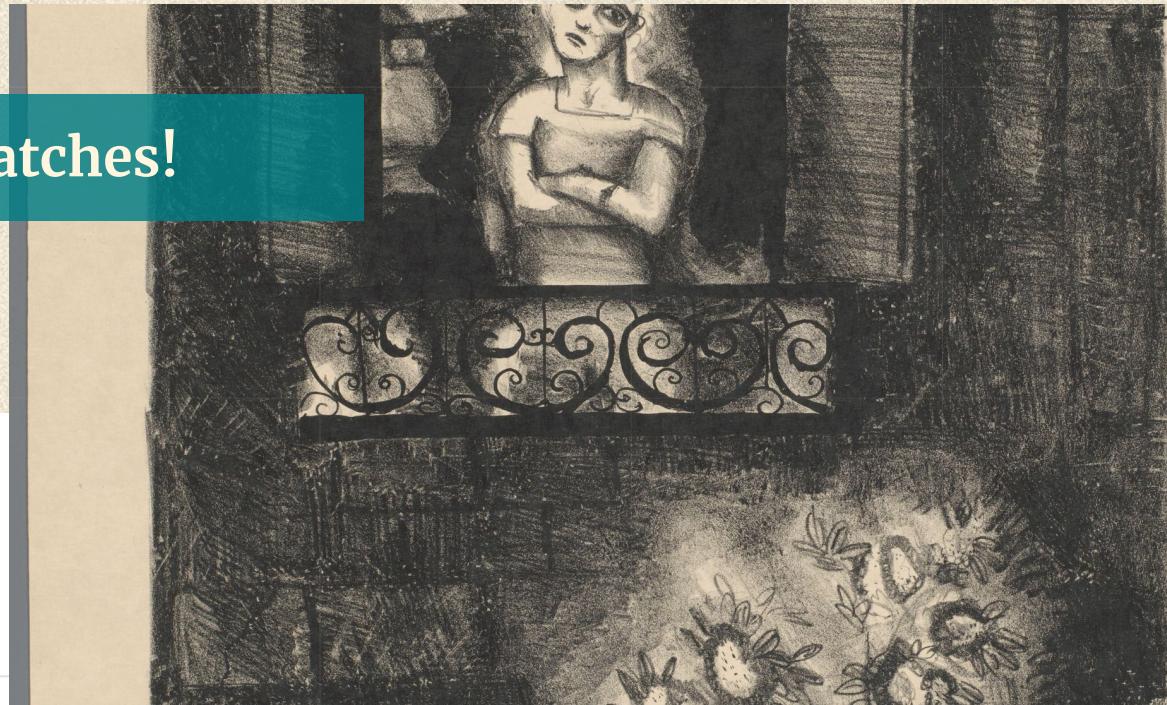
[Sort by notation](#)

Found 42 results, searching for

All

[3](#) [4](#) [5](#) [6](#)

- 33C3121 deserted woman
- 33C312 lover deserting woman
- 33C3121(+0) deserted woman (+ variant)
- 33CC3121(+0) deserted woman - CC - deserted man (+ variant)
- 33C312(+0) lover deserting woman (+ variant)



Let's send her for a date! (from the Bildindex collection)

date

Advanced Search Include keys (+) Sort by notation

Found 61 results, searching for **date**

All [1](#) [2](#) [3](#) [4](#) [6](#) [9](#)

- 11H(CHRISTOPHER)35 the giant and martyr Christophorus; possible attributes: palm-tree (with bunches of dates, or withered), infant Christ - temptation of male saint
- 11H(CHRISTOPHER)36 the giant and martyr Christophorus; possible attributes: palm-tree (with bunches of dates, or withered), infant Christ - penitence of male saint
- 11H(CHRISTOPHER)37 the giant and martyr Christophorus; possible attributes: palm-tree (with bunches of dates, or withered), infant Christ - male saint meditating, in ecstasy
- 11H(CHRISTOPHER)31 the giant and martyr Christophorus; possible attributes: palm-tree (with bunches of dates, or withered), infant Christ - vocation, conversion of male saint
- 11H(CHRISTOPHER)83 the giant and martyr Christophorus; possible attributes: palm-tree (with bunches of dates, or withered), infant Christ - posthumous deeds, appearances of male saints

But CH data is
ambiguous ...

AND SPARSE!

Rendezvous

Advanced Search Include keys

Found 0 results, searching for *Rendezvous*

Browse Search

first date

Type a Regex to filter notation results with

Advanced Search Include keys (+)

Found 0 results, searching for *first date*

lovers' date

Advanced Search Include keys (+) Sort by notation

Found 0 results, searching for *lovers' date*

Fizzy search to find “dates” in Bildindex collection!

The screenshot shows a digital library interface with a light beige background. At the top, there are two tabs: "Browse" and "Search". The "Search" tab is highlighted with a grey background and white text. Below the tabs, the search results are displayed in a list format. Each result consists of a small blue folder icon followed by a code and a brief description. The results are:

- 33C22 lovers' meeting
- 33C2 lovers; courting, flirting
- 33C2261 'look-out' ~ lovers' meeting
- 33C223 lovers locking up meeting place
- 31D13(+919) adolescent, young woman, maiden (+ other relations with friendly character not mentioned above)
- 33C2141 St. Valentine's day

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Fizzy search to collection!

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Fuzzy search to collection!

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"Lantes" in Bildindex

